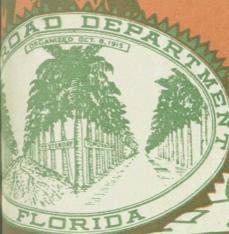


FLORIDA

Highways



A Publication of

State Road Department---Highway Patrol---County Commissions

VOLUME 11
NUMBER 6

MAY 1943



The Naval Stores Go Down to the Sea in Ships

The Story of Naval Stores

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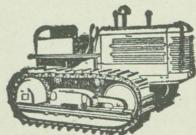
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Transactions of Meeting of Florida State Road Department

HELD IN TALLAHASSEE APRIL 29

The State Road Department of Florida met in regular session for the Second Quarterly meeting for 1943, at Tallahassee, on April 29, with the following attendance:

Thos. A. Johnson, Chairman; Jack F. Townsend, James R. Stockton, O. G. Lindsey, C. Fred Ward, Members; H. H. Basquin, Secretary; L. A. Fraleigh, Jr., Assistant Secretary; J. H. Dowling, State Highway Engineer; L. K. Cannon, Assistant Highway Engineer; J. W. Allen, J. R. Slade, H. H. McCallum, N. S. Emery, P. L. Hoskins, Division Engineers; T. M.

Bid

Bid	Rec'd	Project	Road
3-16	DA-WR 6(1)	.....	.592
3-25	DA-NR 22(1)	.....	4-A
	SN-U-FAS 78(1)	.....	4-A
4-20	W. O. 0515	.....	15
	DA-NR 23(1) &		
	AN-FA 196 C(1)	.....	204
	AW-FA 13(2) & 74 A(2)	.....	2

APPROVAL OF MEMBERS' EXPENSE ACCOUNTS

On motion of Mr. Townsend, seconded by Mr. Stockton, the accounts of the members were approved and ordered paid, as follows:

Stockton, 3-21 - 3-23	.....	\$ 9.75
Ward 3-1 4-1	.....	61.85
		3.60
Lindsey 3-1 - 3-31	.....	32.30

CITRUS COUNTY—ROAD 36— CANCELLATION OF R/W CONTRACT BOND

On motion of Mr. Ward, seconded by Mr. Lindsey, the following resolution was adopted:

BE IT RESOLVED that American Surety Company is hereby released and discharged from each and every of its obligations to the State Road Department under that certain surety bond executed by Citrus County, as principal, and said corporation, as surety, to this Department, as obligee, dated the 3rd day of July A. D. 1940, in the penal sum of \$5,000.00, conditioned to secure the performance of a certain Right of Way Contract dated the 1st day of July, A. D. 1940, between the said County and this Department, concerning the acquisition by said County of rights of way to this Department for Project No. 5018, of State Road No. 36, and said surety bond is hereby terminated and canceled; Provided that nothing herein shall be taken or construed to mean that said Right of Way Contract between said County and this Department is in any wise impaired, modified or affected.

CANCELLATION OF INDEMNITY BOND OF PEAVY-WILSON LUMBER COMPANY

On motion of Mr. Ward, seconded by Mr. Lindsey, the following resolution was adopted:

BE IT RESOLVED that U. S. Fidelity & Guaranty Company, of Baltimore, Maryland, is hereby released and discharged from each and every of its obligations to the State Road Department under that certain surety bond executed by Feavy-Wilson Lumber Company, as principal, and said corporation, as surety, to this Department, as obligee, dated the 15th day of January, A. D. 1942, in the penal sum of One Thousand (\$1,000.00) Dollars, conditioned to secure the performance of a certain Agreement dated the 14th day of January, A. D. 1942, between the said Company and this Department, concerning the manner of construction of a certain Railroad Crossing to be built by said Company over and across State Road No. 22, in Orange

Shackleford, Jr., Attorney; R. W. Ervin, Jr., Pat Shannon, Assistant Attorneys; R. J. Waterston, Jr., Auditor.

APPROVAL OF MINUTES

On motion of Mr. Ward, seconded by Mr. Lindsey, the minutes of the meeting held at Ocala on March 22 were approved.

APPROVAL OF CONTRACTS AWARDED

On motion of Mr. Townsend, seconded by Mr. Ward, the following resolution was adopted:

WHEREAS, pursuant to due advertise-

ment, the Department did on certain dates as hereinafter indicated receive bids for the construction of certain projects, as hereinafter listed; and

WHEREAS, the firms hereinafter named were and are hereby declared to be the lowest responsible bidders therefor,

NOW, THEREFORE, BE IT RESOLVED, that the action of the Chairman in awarding the contracts hereinafter listed be and the same is hereby approved, which said contracts are as follows:

Contractor	Amount
Cone Bros. Constr. Co.	\$ 356,810.56
Groves, Lundin & Cox	329,471.28
Groves, Lundin & Cox	1,067,444.82
W. H. Armston & Co.	8,211.44
Ivy H. Smith Co.	191,573.65
Ivy H. Smith Co.	653,187.32

partment are hereby authorized to execute for the Department the usual right of way contract with the County.

DUVAL COUNTY

Mr. Tom Marshall, Member of the Board of County Commissioners, and Mr. E. E. Knowles, Member of the City Commission of Jacksonville, appeared before the Board in the interest of Hecksher Drive. Mr. Marshall requested the Department to use the surplus gas tax funds of Duval County not only for the purchase of the road but also for reconstructing the bridges and road. He stated that all the people of Duval County, including the Legislative Delegation, were in favor of this road.

Mr. Stockton expressed the desire that the land at one end of this road, now owned by the I. I. Board, might be kept free for park purposes and owned by the State.

Maintenance in Duval County

The Secretary presented a resolution from the Board of County Commissioners of Duval County, requesting the Department to take over for maintenance the following roads in that County: Old Orange Park Road, Cassatt Avenue, Edgewood Avenue, and Dunn Avenue, all designated as a part of the State Highway System and used by the armed forces and others as a loop road around the City of Jacksonville.

The Board expressed its regret at being unable to take over additional mileage for maintenance except in cases of extreme urgency. Mr. Stockton said that he was working on a plan hoping to obtain Federal Access Funds for reconstruction of this road, and if these funds can be obtained the Department will be in position to give Duval County some relief, but that nothing can be done pending that time.

HENDRY COUNTY

The Secretary presented a resolution from the County Commissioners of Hendry County, requesting State maintenance and repairs on the Devil's Garden Road, to be paid for out of the surplus funds accruing to Hendry County. It was pointed out that surplus funds may not be used on maintenance, and that no evidence has been given of the military necessity for this road, as required by the Federal Government before materials may be obtained for repairs; and that in accordance with the Department's policy not to take over additional roads for maintenance except in urgent cases, it is impossible to place this road on the maintenance system at this time.

(Continued on page 37)

REDUCED SPEEDS SAVE TIRES AND GAS

By reducing their driving speeds to moderate rates, U. S. motorists could materially aid National defense through savings in gasoline, oil and tires, and at the same time prevent human and material wastage through accidents, the Federal Public Roads Administration says. It estimates that if motorists would reduce their speeds to 35 miles an hour they would not only conserve tires and oil, but would save about 185,000,000 gallons, or \$35,000,000 worth of gasoline a year. They would also be doing their part "in preventing wastage of human material resources of the Nation through accidents," as requested by President Roosevelt.

With all vehicles traveling at moderate speeds, the need for passing would be reduced and the safety of operation increased. The more uniform spacing that accompanies more moderate speeds would also tend to increase the capacity of heavily traveled roads.

The need for safer driving is emphasized by two developments associated with the increased tempo of the defense program:

(1) Traffic on State highways was about 17 percent greater during the first four months of this year than during the same period of 1940.

(2) Traffic fatalities have increased 17 percent thus far in the present year.

This increase in traffic fatalities was cited in the presidential proclamation. The mounting traffic on State highways is based on counts made at more than 400 automatic traffic-recorder stations throughout the country.

The estimated \$35,000,000 saving in gasoline with a top speed of 45 miles an hour is based on traffic studies on 34 sections of rural highway by the Public Roads Administration, and investigations by the Oregon State Highway Commission of the rates of gasoline consumption at different speeds.

The PRA research indicates that about 81 percent of the passenger car travel on rural highways is at speeds of 45 miles an hour or less, about 10 percent at 46 to 50 miles an hour, 6 percent at 51 to 55, less than 2 percent at 56 to 60, and less than 1 percent at 61 miles an hour or more.

Estimated gasoline mileage for passenger cars at different speeds is: 17.5 miles per gallon at 45 miles an hour, 16.4 at 48, 15.5 at 52, 13.4 at 57 and 11.2 at 62.

While savings in gasoline consumption through slower driving speeds would automatically aid National defense and cut down the number of highway accidents, the Public Roads Administration points out that it would obviously also deprive the State and Federal governments of about \$10,000,000 of annual income from gasoline taxes—money now used mainly for road construction and maintenance.

Your car is no stronger than its weakest part. A weak tire, faulty lights, ineffective brakes, or even a balky windshield wiper may spell disaster. Periodic checkups, particularly before a long trip, are recommended.

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Possibly drivers who smoke have never realized the danger of lighting a cigarette while driving at night. Eyes are delicate organs. They react instantly to the admission of intense light and return to normal only after several seconds have elapsed. When a driver subjects his eyes to the glare of a match, he is literally "flying blind" for a considerable distance, dependent on his speed. The cautious driver will always take a few seconds to stop in a safe place when lighting up at night.

Definition of a drunken driver: A simpleton who is more particular about his whisky than about his life.

In these sad days of tire rationing, drivers who burn up the road soon will be walking on it.

Northwestern University reports the discovery that where traffic laws are enforced safety records are better than where they are not.

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This is why the National Grange, America's great farmers' organization, has insisted on the Four Freedoms of the highways:

- 1. Freedom from discriminatory taxation**
- 2. Freedom from unnecessary regulations**
- 3. Freedom from highway barriers**
- 4. Freedom from neglect of highways.**

Each of these Four Freedoms is vitally important since without any one of them highway transportation may be crippled in its performance of indispensable services in wartime agricultural and industrial production.

Removal of existing discriminatory and punitive tax imposts and defeat of proposals for new and additional levies give greater freedom for highway transportation.

Repeal of many unnecessary and unwise highway regulations would increase efficiency of highway transportation.

Elimination of ports of entry and other State and local highway barriers would speed the movement of food and other vital war materials.

To avoid neglect of highways in the face of declining motor vehicle taxes it is more important than ever that highway funds be dedicated to highway purposes.

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Official Publication State Road Department—Florida Highway Patrol
Florida Association of County Commissioners

Authorized medium of Motor Vehicle Division and other State departments.

VOLUME 11

MAY 1943

6 NUMBER 6

J. E. ROBINSON Publisher
SAM ELLIS Editor

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A magazine of general circulation and general public interest dedicated to construction and improvement of Florida highways, to traffic safety, public education and all that these imply in the future development of Florida resources and possibilities. Not published at State expense. Manuscripts and pictures intended for publication should be addressed to the editor. Contributions of pictures and reading material are welcomed, but publisher accepts no responsibility for their loss. Permission is hereby given to newspapers and other publications to reprint material contained herein (unless specifically restricted in the title of the material), provided proper credit is given to Florida Highways. Subscription price, \$2.00 per year; single copies 25 cents. Published monthly and entered as second class matter July 11, 1941, at the postoffice at Winter Garden, Florida, under the Act of March 3, 1879.

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Address all correspondence to Florida Highways—not to individuals

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EDITORIALS

Story of Naval Stores

THIS AND THE following issue of Florida Highways presents the Story of Naval Stores as compiled by members of the Writers' Project of WPA which was headed in Florida by Dr. Carita Corse. It has been written after much research and study and in collaboration with leaders in the industry in both Florida and Georgia.

The Story of Naval Stores, completely illustrated, will be available in pamphlet form, to members of the industry and others following publication in the magazine. Prices in quantities, with imprint of firm names may be obtained by addressing this magazine at Winter Garden.

A dictionary will define naval stores as "commercial term applied to certain products of the pine tree, such as spirits of turpentine, resin, pitch, tar, which were at one time used in shipyards and on board merchant vessels."

Although the name "naval stores" is rather obsolete now that most all ships are constructed of steel, the products of the pine tree are by no means obsolete and they are playing a very important and a very vital part in the winning of the war. New products are being developed almost daily and the lowly pine tree is going to town in many forms other than lumber and the primary extracts responsible for their designation as "naval stores."

Many of these new derivatives have been developed by Newport Industries, Inc., of Pensacola, where something less than 100 various items, including camphor, have been classified, the Glidden Company's naval stores division in Jacksonville and other manufacturers of National repute operating in the State. These firms are actually in production for victory at this time and some of their processes are military secrets of the highest order as well as trade "know how" which is well-guarded information.

Most commonly known among the products of the pine tree are pine tar, pine tar oil, resin, turpentine, dipentene and pine oil. All of these are essential in the production of other articles in which they form the base or an important component.

As an illustration of the importance of these products as a war material, it is pointed out that pine tar, pine tar oil and dipentene are used in the reclamation of rubber. Used rubber is again made useful when finely ground scrap is heated to high temperatures under pressure with the addition of reclaiming agents. These pine tree products are essential in this process. In the manufacture of rubber goods, including many of the products which eventually reach the front lines through lease-lend arrangement with other of the United Nations, reclaimed rubber is used either alone or blended with natural or synthetic rubber. In such compounds a suitable softener is required to enable manufacturers to bring their articles to proper form. In this instance, pine tar is essential.

In the opinion of the War Production Board, these three pine tree products—pine tar, pine tar oil and dipentene—are essential to maintain the quality of reclaimed rubber and synthetic rubber goods generally. No huge pile of tires, as those seen in filling stations following the rubber scrap drive, could be useful to the military forces, or civilians engaged in essential war work, if it were not for these three products of the pine tree. Pine tar which is not used in the rubber program is used exclusively in the treating of oakum for ships, the preservation of rope and in ship-bottom paints which prevent fouling.

Recently the director of the copper division of the WPB stated that any reduction in the production of pine oil would result in the same drop in production of critical copper and everyone knows, through the recalling of copper pennies and the production of steel coins of that denomination, how essential copper is to the successful prosecution of the war. Pine oil also is used in the woolen textile industries where it cuts the time of processing olive drab materials by approximately one-third. Pine oil also is being used in the disinfectant industry where it is replacing critical phenolic (popularly called carbolic acid) compounds.

Dipentene and other similar solvents from the pine tree, while used to a large extent in the rubber industry, also are sold in large amounts direct to the navy and to manufacturers making protective coatings for the navy.

In the opinion of experts, the country would have a most difficult time in continuing its war effort if it were not for its supply of resin. Each bomb and shell of any size going to the front to carry death and destruction to Hitler, Hirohito and Mussolini is packed in a cardboard cylinder sized with resin. The same is true of food containers and cartons containing chemicals essential on the front line. Resin also is of tremendous importance to the health of the Nation due to its use in soap, particularly with the shortage of imported fats and oils, and in the manufacture of paints and protective coatings.

Turpentine, one of the primary products of the pine tree, is best known for its use as a solvent in thinning paints, but it also is the source of alpha pinene which is used in the manufacture of synthetic camphor, the only source of this industry today. Camphor usually comes from Japan, Formosa and China and, aside from its use as a domestic medicine and in making celluloid and various plastics, must be used in the production of various explosives. Without camphor, the American Navy's fire power would not have been sufficient to give it the edge, although its gunnery was better than the Japs, at Midway, in the battles of the Solomons, and General Jimmy Doolittle's raid on Tokyo would have been a fizzle.

Charcoal, another product of the pine tree and a by-product of extracting plants, actually flies, fights, shoots and floats. It goes into the making of planes, tanks, guns and ships. It even goes into the parachutes that drop ammunition and food supplies to troops fighting in isolated positions. It is used in the manufacture of chemicals, iron, steel, alloys, copper and brass.



FLORIDA FOURTH ESTATE

Florida press comment appears to be agreed that diversion of funds from the State Road Department for the payment of old-age pensions, grants to dependent children, teachers' salaries, etc., would be a grave error even without considering the fact that Florida would lose many hundreds of thousands of dollars of Federal aid for highways because such a diversion would violate terms of the Federal Highway Act.

Most prominent among editorials appearing on the subject was that of the Miami Daily News:

"The bill to divert \$3,500,000 annually from State Road Department funds to pay old-age pensions, teachers' salaries and grants to dependent children is a handy but shortsighted solution to the wartime financial crisis.

"Governor Holland was right when he said it would be a mistake to dissipate the road funds during the war. When the war is over there must be an immediate resumption of large scale road building, for two purposes:

"1. To repair the very considerable damage to the highways which will have been done by heavy military vehicles and to extend the network where possible to meet the State's new tourist and industrial possibilities

"2. To help solve the unemployment problem which is likely to accompany the end of the war.

"Governor Holland's insistence on building up a reservoir to finance these projects is sound. It looks not only toward meeting the problem of the future but at the very practical problem of preserving the State's existing assets. It would be better to levy new taxes than to dissipate the road fund."

Newspapers of the State reflect the attitude of their readers toward a second consecutive term for governor in a favorable light, providing that the governor to succeed himself is of the calibre of Governor Holland. Commenting on the bill introduced by Rep. Wotitzky of Charlotte, which would permit the people to vote on a constitutional amendment providing for more than one term in succession for the State's chief executive, the press agrees that there should be some means of returning a good man to office and that there are always means of ousting a poor one. (The amendment would not permit Governor Holland to run again as it would not be voted upon until the 1944 general election.)

The John H. Perry Florida newspapers—Jacksonville Journal, Pensacola News and Journal, Panama City News-Herald and Ocala Banner—were unanimous in their endorsement of the proposal.

"Though the present constitutional prohibition against a governor succeeding him-

Keep Highway Patrol

(Leesburg Commercial)

Casting about for methods of saving State money, some of the legislators have let their eyes settle upon the State Highway Patrol. Evidently they have looked only upon the dollars and cents of expense and disregarded two important elements—the need for such a patrol and the State's investment in the present efficient organization.

Like practically all of Governor Holland's appointments, he made no mistake when he put J. J. Gilliam at the head of this department. Today the organization is a closely knit band of thoroughly trained men, imbued with the spirit of upholding both the law and the dignity of the State.

There is a heavy investment in these officers as well as in their cars and equipment and the set-up of the organization. It has cost as much to arrive at this degree of efficiency as it will cost to operate the entire organization for the next twelve months.

All of these people say they would do away with the State patrol "for the duration of the war." Well, the war may be over in a year from the day a law, if passed, could go into effect to abolish the department. If so, not a penny would be gained in money and it would mean a loss of at least that year's protection to the public—the law-abiding public—and another period of at least a year which it was being brought back to efficiency.

We would suggest to these people that they have a conference with the governor and the head of that department, learn what some of the "extra-curricular" activities of the department are in wartime and what results have been obtained in certain recent extreme cases because of the existence of this organization and its employment in certain law enforcement crises. We happen to know just a little about this—enough to pen this warning.

self was inserted to prevent a governor from building a machine to perpetuate himself in office, it probably has outgrown its usefulness and has hampered the State from retaining the services of capable executives," says the Pensacola News.

"For instance, it is impossible now to return Governor Holland as chief executive for another four years, although he has made an admirable record in office and prob-

ably could be reelected with little opposition. Thus it may be necessary for the State to choose a much less able man because of that constitutional bar.

"Many States have found that such a provision is more harmful than helpful and have stricken it from their constitutions. Not even the Federal constitution provides that a president may not succeed himself. * * * But it would be well to change the basic law to permit the voters to reelect a good man if they choose to do so. They always can oust a poor one. Not all presidents have been able to gain reelection."

"The people ought to have a chance to retain a good man when he shows up for longer than four years," says the Jacksonville Journal. "Florida could indeed be well served four more years by Governor Holland if that were possible.

"The weight of argument seems to be in favor of such a constitutional amendment. Most States in the Union have found the reelection of good governors desirable and have made it possible to retain them in office. We elect representatives and senators for more than one term and are satisfied that added experience for good men in these offices gives them better opportunities to serve their constituencies."

Decision to place the problems of water conservation, fire control and reclamation of land in the Everglades under the authority of the Everglades Drainage District Commission, always constituting a State problem received endorsement of the areas most affected.

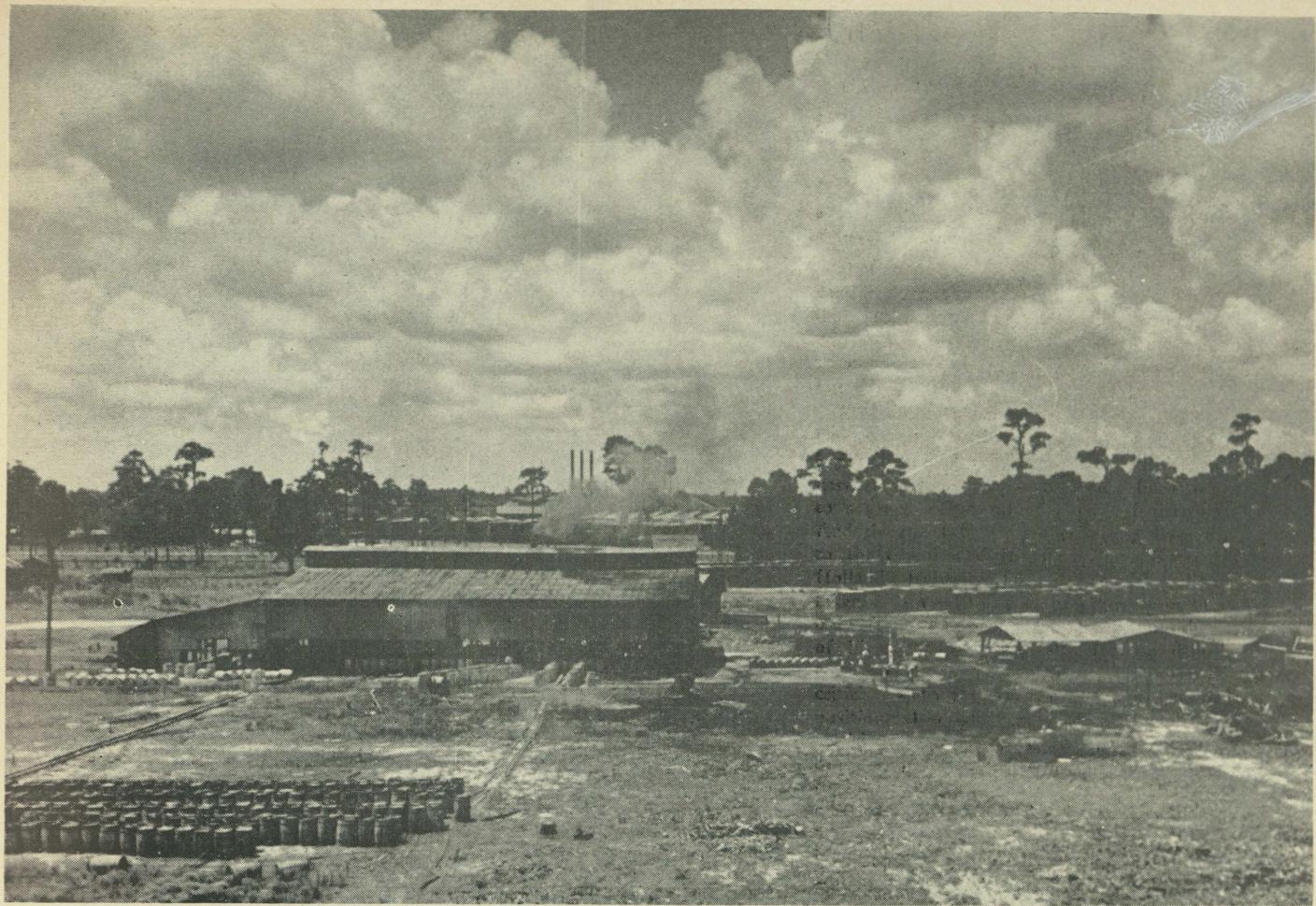
"In the days of discussions regarding post-war planning," says the Tampa Tribune, "it is significant that local, State and Federal officials at last are prepared to cooperate on a master plan for the future development of the rich Everglades section of Florida.

* * * "We're pleased to note this progressive move. It points to the fact that various agencies recognize the potential value of the great Everglades section. It is capable of being developed into one of the richest land areas in the world, and a start in that direction appears to have been made by the decision to go ahead with the desirable and coordinated program of reclamation and conservation."

"The governor has shown his usual concern in State conservation," says the Miami Herald. "It is now up to the board manfully to carry out a comprehensive and scientific program."

(Appropriation of \$25,000 for continuation of the work of the Everglades National Park Commission, another phase of development of the Everglades, was one of the first measures approved by Governor Holland.)

(Continued on page 33)



The "Gum Patch" in the pines

The Story of Naval Stores . . .

TURPENTINE DISTILLING dates back many centuries before Christ when people of Asia Minor manufactured spirits of turpentine, still known as Chian turpentine because it was exported originally from the little island of Chios in the Aegean Sea. Just when the tar and pitch came into use is uncertain, but they probably were employed when man abandoned log canoes and began building boats with seams that required calking. The Bible speaks of the product in the sixth chapter of Genesis: "And God said unto Noah . . . make thee an ark of gopherwood and . . . pitch it within and without with pitch."

The earliest mention of these products in

*In the preparation of this article the Florida Writers' Project is indebted to George E. Shingler, senior chemist and E. L. Patton, chemical engineer, naval stores station, Olustee; to H. M. Wilson, their president, Turpentine and Rosin Factors, Inc., Jacksonville; C. F. Evans, assistant regional forester, Atlanta, Ga.; N. S. Newins and his staff of the School of Forestry, College of Agriculture, Gainesville; L. E. House, Supervisor, Florida Forest Service, Jacksonville; Zora Neale Hurston, negro novelist—Carita Doggett Corse, State Supervisor, Florida Writers' Project.

Compiled by workers of the
Florida Writers' Project
Works Projects Administration*

Photos by Robert Cook

the New World was made in 1528 by Cabeza de Vaca, member of the Narvaez expedition, who in describing the makeshift boats built by his companions on the shores of Apalachicola Bay, Florida, spoke of them as being "tarred with pitch which a Greek called Don Teodor made from certain pines." Captain Jean Ribaut, in his book "The Whold and True Discouerye of Terra Florida" (1563) wrote of the preponderance of "ffirr trees . . . verry sweet smelling and whereowt myght be gotten with cutting only the bark, as muche rosin, turpentyne and frankinsence as men would have . . ."

A few years later the British sea rover and slave trader, Captain John Hawkins, recording the first description of Florida in the English language, reported it as a rich source of naval stores, which in his day

meant pitch and tar but which today is a term applied in English-speaking countries to all products derived from the oleoresin of the pine tree, particularly turpentine and rosin.

Until the middle of the last century, with the advent of iron ships and cable rigging the commercial value of turpentine and rosin was negligible compared to that of tar and pitch, used for waterproofing ropes and caulking seams of wooden sailing vessels. The French in Nova Scotia were America's pioneer turpentiners as early as 1606. Operations under the British began about 1640, and for many years New England was the center of the naval stores industry. From the time of the first settlement in Virginia, colonists were urged to supply the increasing demands made by the Royal Navy and merchant marine but the pine timber there was too scattered to be profitably worked. Operations gradually shifted into the Carolinas, where production reached nearly 100,000 barrels by 1753, and in succeeding years moved into Georgia, Louisiana and north Florida.

That pitch pots were boiling in Florida during the eighteenth century is evinced by



The Turpentine Toddle

chipped "faces" buried deep in the hearts of trees whose age rings indicate that they were being bled before 1750. Marks on the faces prove that the tools used varied little from those employed today. Many of the pines grew upon mounds that showed traces of a still earlier trade in the burning of lightwood for charcoal and tar, presumably by Spanish operators. Throughout British occupancy (1763-84), vessels came up the St. Johns River to load rosin and pitch at Rue's landing on Six Mile Creek. The rock ballast they discharged formed large reefs in the river at that point.

Although improved methods of turpentining were adopted at an early date in Europe and are now generally practiced in this country, for more than two centuries production in the Southeastern States continued to be conducted along the same primitive and destructive lines in use when North America was first settled. Pioneer operators used negro slave labor to work the stands of virgin pine that covered the area between the Atlantic seaboard and Texas. Gum was collected in a "box" dug in the base of the tree, a cavity shaped like a distended waistcoat pocket and holding about a quart of gum. The sap was dipped out with a ladle. This operation so weakened the trunk that it soon decayed or fell easy victim to insects and storms. Trees were mercilessly bled, the faces and boxes frequently burned, and consequently produced for a few years only. The industry therefore migrated from

place to place, leaving desolation behind it.

Destructive methods continued until the beginning of the present century when the late Charles H. Herty helped introduce turpentine cups in lieu of boxing the trees and pioneered other improvements to eliminate wasteful and haphazard methods then existing. He warned naval stores operators that the living pine tree was "not a turpentine storehouse, but a turpentine factory" and should be recognized as such. Herty is said to have become vitally interested in his work while a student of chemistry in Europe, when a German professor, asked for his opinion of the turpentine industry in the United States, retorted: "You have no industry—only butchery of trees."

The product obtained by distilling the crude gum or oleoresin, exuded by a living pine tree after it has been wounded, is known as gum spirits of turpentine, and the residue is called rosin. About four-fifths of all turpentine and rosin is produced from crude gum. The remaining fifth is produced from processes known as destructive distillation of resinous pine wood and stumps, and steam distillation.

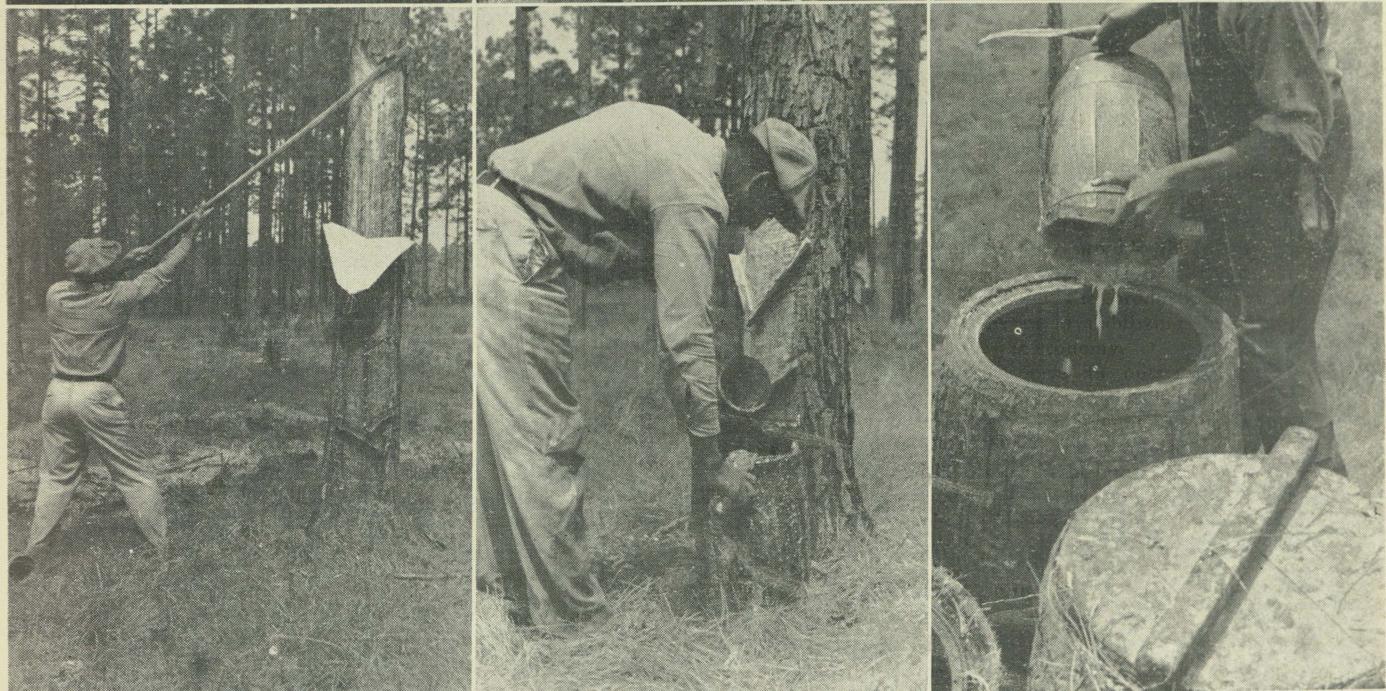
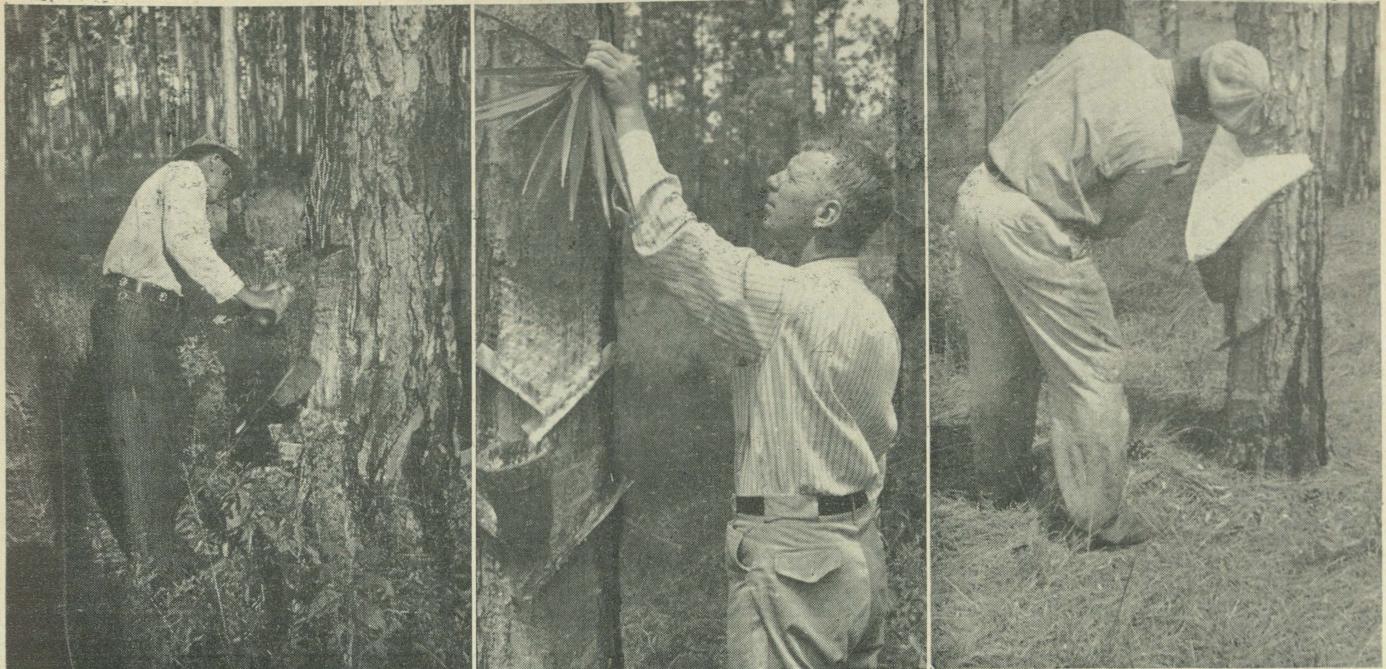
Progressive operators, accepting improved methods in forest management and at the still, plan ahead for future crops. For this reason many prefer to settle on their lands and conduct permanent camps rather than lease tracts and move after a few years to new locations.

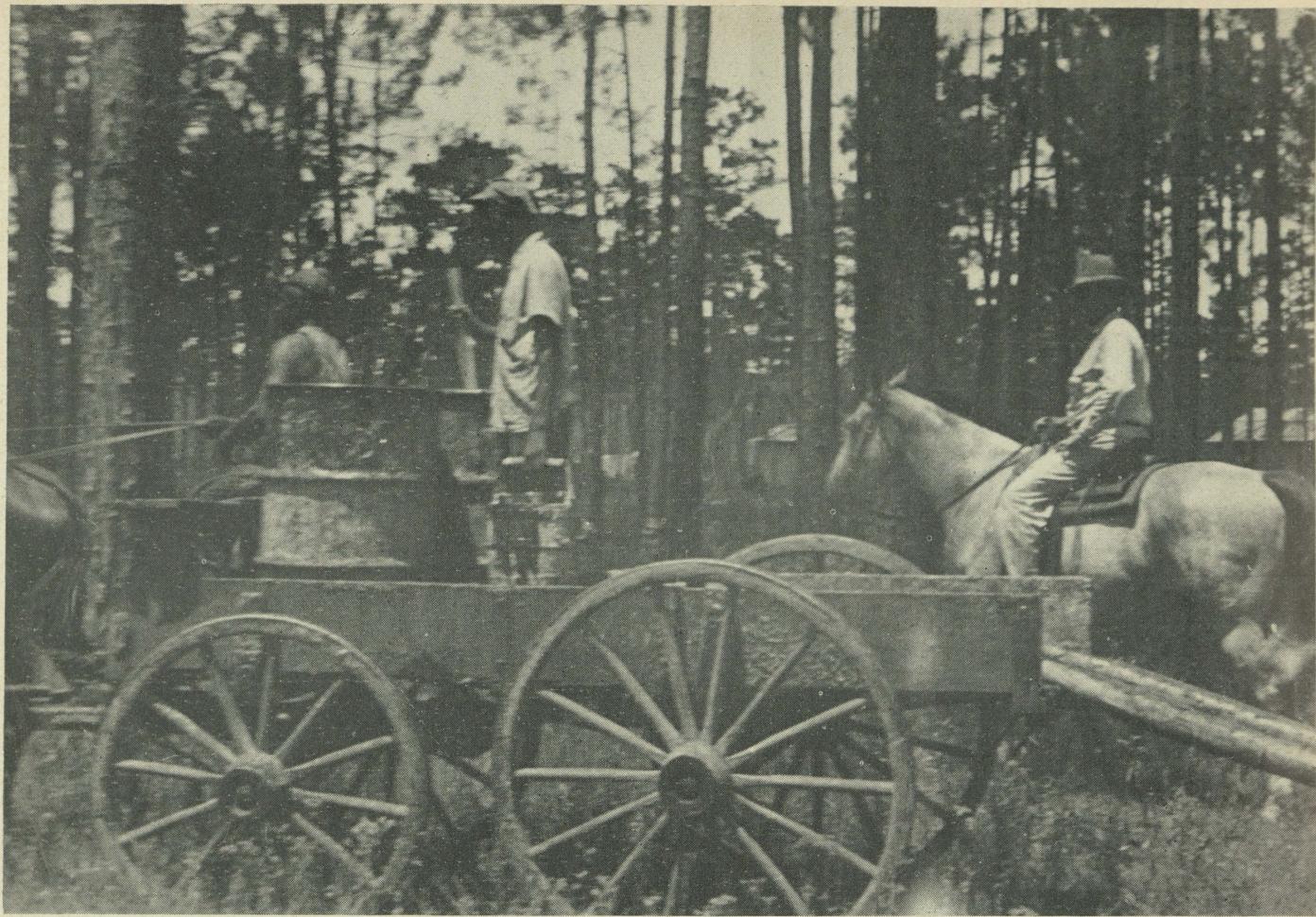
The representative turpentine camp of

today—commonly referred to as a "farm" or "place"—embraces from five to six thousand acres of forests where trees are being worked and perhaps an additional two thousand acres where trees are allowed to rest between operations. The typical farm operates about 10 "crops" of "faces," a crop being a tract containing enough trees to hang 10,000 cups, a standard dating back to Carolina days when dense stands of timber permitted faster work. A face refers to that area of the tree to be bled.

The yield is governed to a great extent by the size of the tree. Progressive operators do not "cup" those under 10 inches in diameter—the minimum size designated by the government at breast height (4.5 feet above ground) and usually work but one face at a time. Where two faces are worked on a tree, it is desirable practice to leave

On the opposite page are shown various steps in preparing the pine tree and getting the gum to the still. Top, left to right, chipping the tree; flagging a tree for additional chipping; showing canvas shield used to protect the face and cup while chipping. Center, left to right, pulling a high face on a tree; emptying gum into hand-carried container; transferring to large barrels. Bottom, carrying gum through woods to the still.





The "woods rider" (right) is the "boss man"

at least 4 inches of living bark as a "life-line" between faces and the width of a face should not exceed one-third the circumference of a tree. First-year chipping is known as the "virgin" face and the crop is referred to as the virgin crop. Trees worked two years are "yearlings;" those chipped for three years are "bucks" and faces worked in succeeding years are known as "high" or "pulling" faces.

The center of a turpentine farm is the still, familiarly known as the "gum patch." Grouped about it are the camp where the woods rider, superintendent and other white employees live; the quarters of the hands; the commissary, or general store; the cooperage shop, where the barrels are made; the rosin storage yard; the vats where cups are cleaned; and the stables.

Turpentine operator's employ the cheapest labor and except for the superintendent, woods rider, and commissary clerk, all workers are negroes, the number employed depending on the number of crops worked rather than on the area of the tract. In some instances even the woods rider is a negro. Workers are provided with free living quarters and are paid on a piece-work basis, the scale fluctuating with the market quotations of naval stores. The old time commissary from which workers purchased everything from liver pills to a yard of calico is rapidly disappearing. Low-price cash and chain stores in nearby towns, improved transportation facilities and the fact that with few

exceptions present-day camps are no longer isolated communities, have reduced commissary stocks to staple groceries, work clothes, tobacco and soft drinks.

For about 30 years, or until the first Florida prison farm was established in 1919, white and negro convict labor was leased by turpentine operators who paid the State \$1 a day per man, for the support of the convicts and providing guards.

* * *

WORKERS

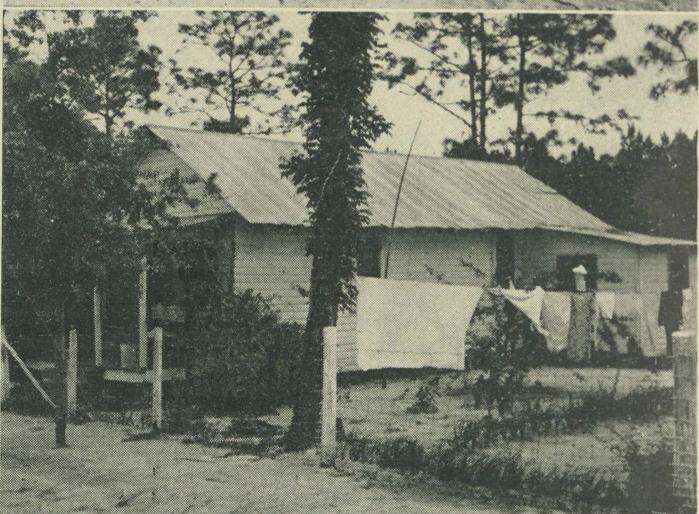
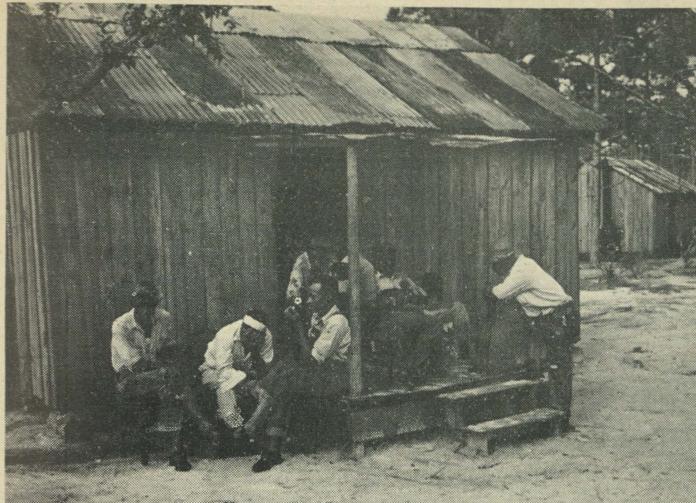
When I left de State of old Virginny
I left in de winter time.
Where's you gwine, nigger?
I'se gwine to Florida, I'se gwine to
Florida,
Gwine to Florida to work in de turpem-
time. —Old Turpentiner's Song.

The naval stores negro is in a class by himself. He knows his business and feels at home in the open woods, enjoys the free and easy atmosphere of his quarters remote from city temptations that frequently get him messed up with the law. Many have been born and raised in the camps and learned the trade from their fathers. Old-time workers claim to have soaked up so much turpentine that if run through a still "you'd get 'bout ten gallons of spirits out of me." At times he may seek other pursuits but is likely to drift back to the gum patch and his familiar tools.

A worker and his family occupy one of a row of two- and three-room frame cabins that make up the camp quarters. In modern camps these are neat painted dwellings that have replaced the dilapidated shacks of by-gone years. Here yards are kept cleaned and flower beds are carefully tended. Each resident has his garden patch for collards and yams, perhaps a few shoats and chickens and a faithful hound for 'possum and 'coon hunts. The women folk and children go fishing for bream and perch, and in season the larder is replenished by small game and birds. An efficient commissary supplies most of his needs and proximity to urban communities affords the present-day camp worker opportunity for shopping and weekend excursions.

There is usually a church house at the end of the street and preaching on Sunday by a visiting reverend or by a worker who lays aside his tools and overalls for a Bible and frock coat. He preaches the gospel as he interprets it and does not mince words.

On the opposite page is shown, top, how woods workers formerly lived in most of the gum-gathering areas; center, new homes of woods workers, clean and healthy; bottom, two scenes at the comfortable school houses furnished to workers' children where they learn the three R's.



There is no pussyfooting with absolute orthodoxy. The gory meat of Deuteronomy is hurled straight into the teeth of the congregation. Services are often conducted on alternate Sundays by Baptist and Methodist preachers. On weekdays the church is used for school purposes and community meetings.

Sometimes in long established camps or in nearby villages with a large population, there is a lodge hall off in the woods, usually perched on stilts to confound peepers and eavesdroppers, where members of the Mystic

Order of Everlasting Benevolence conduct their secret rituals and from whose portals they march forth in splendid regalia to pay respects to a deceased brother at the church and at the nearby burial ground.

The Saturdays of a turpentine worker are free and his Mondays after pay days usually "blue." Most of his working hours are spent alone in the timber where he communes with the birds and animals which are the inspiration of many of his folktales. Superstition plays an important part in his life. A dime worn on a string around his

ankle is not only a charm against snakebite but protects him from being "conjurated." The wood of a tree struck by lightning is bewitched and isn't to be used for any purpose unless first dipped in water. To spy a salamander the first thing in the morning brings him good luck for the rest of the day; but the hoot of an owl at midnight foretells death unless the hearer turns his right shoe upside down.

He has prompt but not free medical attention when ill but he doesn't need a doctor.
(Continued on page 35)

Patrol Completing Radio Network ..

WITH RADIO STATIONS already operating in five cities and workmen rapidly completing stations in four other centers, the Florida Highway Patrol's interlocked system of protection for motorists, civilians and military personnel is daily becoming more efficient and more able to carry the additional tasks which have been placed upon it by war conditions.

Patrol radio stations already are functioning in Tallahassee, Lake City, Chipley, DeLand and Ocala, providing the means at present of choking off the highways of escape from Florida's peninsula. This was the idea in setting those stations into operation first.

As fast as technicians can work, stations at Fort Lauderdale, Fort Myers, Camp Blanding and Bartow will be put on the air.

Transmitting not only station-to-station to blanket the State, but also to a fleet of talk-back cruisers, the highway patrol can interlock, too, with city police radio systems in Miami, Jacksonville, Orlando and other places.

City Manager A. B. Curry of Miami, grasping the value to his city of a State-wide network to nab fleeing law breakers, has loaned Miami's police radio chief, Lieut. Ben Demby, to Director J. J. Gilliam of the highway patrol to make the scattered installations.

Demby forecasts a saving to the State in telephone and telegraph tolls within five years equal to the cost of the radio equipment. This calculation allows nothing for the usefulness of the network beyond the routine transmittal of orders.

Defense activities of the Florida Highway Patrol are mounting. Not only do patrolmen conduct troop and material movements but lend assistance to the border patrol, the FBI, Army and Navy Intelligence and a host of other protection services.

During 1941, patrolmen served 16,070 hours and traveled 248,000 miles on special details—that is, assignments beyond the usual policing of the highways. In 1942, these duties involved 24,108 hours and 372,096 miles.

When the invasion armies of Europe occupied countries, their advance was aided by chaos on the highways as defense forces encountered fleeing civilians.

Florida is prepared, even though this may never happen here. Plans have been worked out, purposely simple, whereby army and civilian traffic can be routed separately in the event of an emergency.

During 1942, a person was killed in Florida every 17 hours as the result of a traffic accident. Someone was injured in a traffic accident every 26 minutes. A collision in which property was damaged but no person hurt occurred every seven minutes.

Florida's toll of death last year was 526, a 35 percent decrease from the 812 of 1941.

The fact that during 1942 there were 57 soldiers killed and 399 injured in traffic accidents indicates the seriousness of the

FATAL ACCIDENTS ON FLORIDA HIGHWAYS DROP DURING MARCH

Fatal accidents on Florida highways showed a decrease of 23 percent in March under March of last year and the decrease in number of persons killed was 17 percent, according to the monthly experience chart issued by the Florida Highway Patrol. The month also showed a decrease in all accidents of 13 percent.

Forty-one persons were killed during March against 49 during that month in 1942. There were a total of 355 reported accidents against 406. All accidents reported this year total 988 against 1,490 for the same period last year, a decrease of 34 percent. Fifty-seven percent of all accidents during March were collisions between motor vehicles, 22 percent ran off the road, 10 percent were accidents with pedestrians. The most fatal hour was between 8 and 9 o'clock at night and Sunday and Monday were the most fatal days.

Speed again topped all causes for accidents accounting for 23 percent. In 16 percent of the cases the driver had been

drinking, 15 percent were on the wrong side of the road not in passing and 12 percent failed to yield the right of way.

In accounting for condition of vehicles involved in accidents it was found that 42 percent had defective brakes, 21 percent had punctures or blowouts, 14 percent had defective steering gear, 5 percent were defective as to headlights, 7 percent had worn-smooth tires.

In accidents involving pedestrians, 33 percent were crossing not at an intersection, 25 percent were walking in the roadway and 19 percent were crossing at an intersection.

In 54 of the reported accidents 72 U. S. service men were involved, six service men and six civilians killed, 23 service men injured.

Dade County led in fatal and non-fatal accidents, 8 and 24, respectively. Duval was second with 5 and 19. Pinellas County came through the month without a reported accident.

military phase of the highway patrol's traffic problem, despite the restriction of speed to 35 miles an hour.

Gasoline and tire rationing despite the popular belief have had little effect on travel. While civilian travel decreased sharply, government mileage skyrocketed so the overall decrease was but 9 percent.

Administered by a board composed of Governor Holland and six members of the State cabinet, the Department of Public Safety under Director Gilliam is financed entirely from driver licenses. Not a penny of fines or forfeitures accrues to the highway patrol.

Beyond enforcement of highway laws, members of the State patrol have no interest in the outcome of prosecutions—and warnings, not arrests, are ordered for first offenders in nonflagrant cases.

Last year saw \$250,000 paid into treasuries of the 67 counties by motorists in fees and penalties.

The counties benefited further from the patrol through return of salaries to merchants, landlords, and other business men, for the law requires, that, so far as practicable, at least one patrolman shall be stationed in each county.

Director Gilliam looks upon the driver license not as a tax but a fee for service.

Should the patrol be abolished, collection of the \$1 fee substantially would cease even if continued as a privilege tax. Cities in all likelihood would reinstitute local driver licenses.

CHAPMAN GETS HONOR BY PRISON OFFICIALS

L. F. Chapman, superintendent of the State Prison Farm at Raiford, was elected president of the Southeastern States Prison Association at the joint session of the association and the Probation and Parole Conference held in Columbia, S. C., April 27. He succeeds State Prison Warden Thomas P. Gore of Tennessee.

James Vocelle of the Florida Parole Commission, was elected secretary of the conference of which Edward N. Everett, chairman of the new Georgia Parole Board, was elected president.

Other officers elected included:

Prison association—Second vice president, D. D. Bazer, Louisiana State prison warden; secretary-treasurer, W. N. North, Florida State assistant warden; chaplain, Pickens Johnson, Tennessee State prison chaplain.

Probation and parole conference—Honorary president, J. Bruce Airey (reelected); vice presidents, Robert M. Hill, Alabama Kilby prison classification director and Edwin B. Ziegler, chief Federal probation officer of Mississippi; treasurer, R. M. Martin, Tennessee probation supervisor.

Autoists see so many "Speed limit 20 miles an hour" signs they pay little attention to them but a little town in Texas had its signs read, "20 miles an hour or \$19.90." They read that one.

CAPITAL CHATTER . . .

SATURDAY, MAY 15, was "Achievement Day" at the Florida State College for Women and the Florida A and M College for graduates in a short course on preschool education. The graduates will become teachers and supervisors of nursery schools for children of working mothers in Florida. The schools are to be financed through Lanham Act funds and will be located wherever needed to care for children of preschool age of mothers who are working in industries. The courses were sponsored by the State Department of Education and supervised by Mrs. Dora Skipper.

* * *

Beverage taxes continued to rise during April when collections of \$627,372 were reported by Edgar W. Scarborough, State beverage director. This collection pushes the total for the first ten months of the fiscal year to \$6,540,788, or \$1,540,435 more than was taken in the same period of last year. This is a gain of 30.81 percent over 1942 collections and 21.85 over April of last year.

* * *

The question of the constitutionality of the law giving the State Barbers' Sanitary Commission authority to fix prices and hours of barbers is again headed toward the supreme court following Circuit Judge T. Frank Hobson's (Pinellas County) decision against it. The supreme court had formerly upheld the constitutionality of the law but Judge Hobson said that the question of unlawful delegation of legislative power was not before the high court at that time.

* * *

Attorney General Tom Watson has compiled all Florida laws and constitutional provisions relating to salaries, fees and other compensation to county officials. Copies of the booklet have been sent to all county officers of the State.

* * *

W. P. Tucker has been seated as representative of Hernando County to succeed G. Kent Williams who resigned to enter the army. Tucker defeated I. B. Turnley 426 to 125 in a special election.

* * *

Social activities of the legislature recently have included receptions by Governor and Mrs. Holland, Speaker and Mrs. Richard H. Simpson and a stag party staged by the Tallahassee Chamber of Commerce.

* * *

"Third House" session was held May 5 when attaches of the House took over and made legislators perform duties usually done by pages and other attaches.

* * *

State Market Director William L. Wilson

has provided additional equipment for the Titusville State market's canning department. It includes a new retort and an electrically operated sealer.

* * *

The long campaign for the eradication of the cattle tick in Florida will reach a successful conclusion by September, according to a report of Dr. J. V. Knapp, head of the State Livestock Sanitary Board, to the Shands committee of the Senate. All of the State with the exception of Hendry and Collier Counties has been cleared of the tick, he said. Work is going ahead in those counties which should be cleared by early Fall, the official declared.

* * *

Memorial services for the late Senator R. Stanley Adams of Jasper, were held at noon May 6. Senator Adams died just before the session opened. He was succeeded by Graham Black, Jasper.

* * *

The Senate has sustained Governor Holland's suspension of Russell F. Hand as a member of the Dade County school board and S. E. Stone as sheriff of Volusia County, following hearings.

* * *

Supreme court has affirmed a decision of Circuit Judge W. T. Harrison (Sarasota County) who declined to order an ad valorem tax levy in Sarasota County on a mandamus by the American United Life Insurance company. Tax levies for bonds cannot be compelled so long as the bonds or their interest coupons are paid with gasoline taxes or other funds, the court held.

* * *

Ernest Overstreet, former member of the legislature from Dade County, has been appointed Dade County tax collector. Resignation of Hayes Wood had been accepted earlier by Governor Holland.

* * *

Candidates plagued by job seekers and phoney advertising stunts will appreciate the action of the Senate in defeating a measure making February 1 the deadline for qualification for office of State senator or representative. The deadline will remain in April before the first primary in May.

* * *

Hallie B. Lewis, Williston, a former member of the House, became a reading clerk of the House recently following the resignation of Joe B. Stone, Blountstown.

* * *

North Floridians, most effected, are congratulating Speaker of the House Richard Simpson on his committee named to promote reciprocal trade laws with Georgia. Rep. W. E. Hancock, Madison, is chairman. Other members are: George T. Lane,

Manatee; W. T. Hendry, Okeechobee; Birt Byrd, Duval; J. B. Hodges, Columbia; Warren Sanchez, Suwannee; Jack Yaeger, Leon; Frank West, Santa Rosa; Newman Brackin, Okaloosa; Clay Lewis, Gulf, and Dave Thomas, Escambia.

* * *

Inspection of the School of Forestry of the University of Florida by Prof. H. H. Chapman of Yale University has resulted in the Florida school being accredited by the Society of American Foresters, according to announcement of Harold S. Newins, director. Forestry instruction has been given at the university since 1935 and the school was established in 1937.

* * *

Supreme court has recalled a former decision and rules that firms covered by the State constitution's new industry tax exemption clause do not have to pay special bond taxes or any excise tax levied to produce revenue.

* * *

Veterans of the present war will enjoy the same privileges given to veterans of past wars under a measure passed by the present legislature and signed by Governor Holland. Among the privileges are exemption from occupational taxes.

* * *

Governor Holland has declined to extradite Edward J. Lord, Orlando radio station manager to Albany, Ga., on charges of larceny of records of the Albany radio station. Lord maintained that he took copies of letters because he did not want to be "made the goat" in proceedings before the Federal Communications Commission.

* * *

Federal Works Administration officials have been in conference with Governor Holland and Chairman Johnson of the State Road Department over acquisition of the Gandy Bridge and Davis Causeway over Tampa Bay. "Negotiations are progressing," said the governor.

* * *

Because he didn't actually see a flea bite him, Willis Abram Briggs of Miami, will not get his claim for \$448.68 in workmen's compensation, according to decision of the supreme court. Briggs was a victim of typhus, a disease carried by fleas from infected rats. He testified that he felt the bite but that he did not see the flea. The court held that the testimony was not conclusive.

* * *

Russian dandelions are yielding 400 pounds of raw rubber to the acre in the Everglades, according to report of Dr. A. R. Neller of the State Experiment Station at Belle Glade. Although that is a higher yield than reported from Russia it is not enough to count on getting new tires for the car soon, says Dr. Neller. There are only five and one-half acres of the plants and the process of extraction, which grinds up roots and treats them with chemicals is too costly.

(Continued on page 34)

Legion Endorses Highway Patrol . .

FLORIDA'S STATE Highway Patrol was complimented for its efficiency in the face of additional duties and depleted forces in a resolution passed by the American Legion, Department of Florida at its recent convention held in Jacksonville.

The recommendation of the executive committee, unanimously adopted, specifically asked that the legislature take no step to hamper or abolish the patrol, now so seriously needed in the successful protection of Florida property.

The resolution follows:

"Whereas, the Florida Highway Patrol was originally created for the primary purpose of protecting the traveling public on the highways of the State of Florida; and

"Whereas, wartime conditions have placed upon the personnel of this splendid organization responsibilities which dwarf their peacetime duties; and

"Whereas, many of its personnel have gone into the armed services of the United States and it is the good policy of the Florida Highway Patrol to conserve manpower by carrying on the functions of the patrol without seeking replacements; and

"Whereas, the present duties and work of the Florida Highway Patrol are so manifold that its personnel and facilities are being used to the maximum limit of efficient service to the public and taxpayers of this State; and

"Whereas, the Department of Florida, the American Legion, feels that the efficient and successful operation of the Florida Highway Patrol demands that it continue to function as a law enforcement agency in the manner that it is presently operated.

"Now, therefore, be it resolved by the executive committee of the Department of Florida, the American Legion, in regular meeting assembled at Jacksonville, that the legislature of the State of Florida at its regular session, now being held at Tallahassee, be requested by the Department of Florida:

"1. To enact no law which will place additional duties and responsibilities on the Florida Highway Patrol in the nature of inspection or other duties which are not directly connected with and contribute to regulation of traffic, the promotion of safety on the highways of the State of Florida and the discharge of duties imposed by reason of war conditions.

"2. To enact no law which will curtail or abolish the Florida Highway Patrol as it is now created and exists under the laws of the State of Florida.

"Be it further resolved that copies of these resolutions be immediately sent to the chairman of the legislative committee of the Department of Florida, the American Legion, and to such members of the legislature of the State of Florida as shall be deemed advisable by the department adjutant."

It's tough to have to walk but remember the more hot feet there are here, the more hot times there'll be for Tokio.

Mayo Is Selected To Aid National Farm Production

Nathan Mayo, Florida commissioner of agriculture, was recently named to the committee of Roy Jones, National Association of Commissioners, Secretaries and Directors of Agriculture, to develop the agricultural resources of the United States and increase farm income.

Mayo is the only representative of the Southeastern States on the committee. Work of research will be financed by the association and contributions.

ENTOMOLOGIST DEFENDS THE JAYBIRD

Although he may steal fruit and occasionally attack nests of other birds, the Florida jaybird destroys hundreds of insects which otherwise would rob the farmer and gardener of some of his crop, according to J. R. Watson, Florida Experiment Station (Gainesville) entomologist.

"He does more good than harm," declares Watson, singling out the jaybird because his reputation is not as good as other birds which help to preserve Florida crops.

"Many effective insecticides have been developed, but even with these it would be practically impossible to produce crops in Florida if we didn't have our birds. Florida is fortunate in having large numbers of birds," he declared.

Aside from their songs and color, birds are worth hundreds of thousands of dollars to farmers and gardeners for the millions of insects they destroy each year. The mockingbird, the most popular songster of all, devours all kinds of insects.

The brown thrasher, another great songster, will go from hill to hill, digging up cutworms as if he had been assigned to the

Florida Receives Near Billion War Dollars, Report

Florida led all Southeastern States in the amount of shipbuilding and received total construction and manufacturing contracts of \$993,000,000 between July 1940, and February 1943, according to report of the War Production Board.

Shipbuilding contracts amounted to \$421,000,000. Other contracts were: Aircraft, \$1,000,000; miscellaneous, \$56,000,000; industrial facilities, \$52,000,000; nonindustrial facilities, \$463,000,000.

job by the gardener. Cardinals, with their bright red plumage and topknot, are also insectivorous.

Wrens and warblers, some of them no bigger than a man's thumb, eat aphids, jassids, and other pests. Woodpeckers may awaken folks with an early tattoo on the roof, but they beat any insecticide thus far developed in controlling borers in trees. The bobwhite quail, whose clear whistle is pleasant music at daybreak, eats many insects and weed seed.

Hawks are a nuisance to some poultrymen, but they also kill large numbers of rabbits that would feed on crops.

This is the nesting season for many birds, when the older birds have to do double duty in catching insects—feed for themselves and their young. While some birds eat weed seed after they are grown, all birds feed their young on insects.

The entomologist suggested that parents of boys with .22 caliber rifles or air rifles rig up safe targets for them instead of letting them try out their marksmanship on birds. "A boy with a rifle can kill many birds and thereby make the community's insect problem that much worse," he said.

He also urged owners of house cats to keep their animals where they cannot prey on birds. Because not as much meat and other food is available for cats they can be particularly harmful to bird life this year.

"We must produce a great deal of food this year, in field and garden, and birds will help us do the job. We should protect and encourage them in every way we can," Watson declared.

SAFER THAN WALKING

Of 32,219 landings made between February and October 1942, by Flying Fortresses at Hendricks Field, air forces training station at Sebring, only eight resulted in damage to the planes, and in these instances damage was so slight that the big four-engined bombers soon resumed flying. There were no injuries to personnel. Veteran pilots commended the record as remarkable, when it is considered that the B-17's are designed for combat use and not for training purposes.

GAS STAMPS VOIDED

At this time of the year when many transfers of ownership of automobiles are being recorded, motorists are urged to comply with the ruling of the Office of Price Administration with regard to their gasoline ration books.

The ruling is that upon change of ownership of a vehicle the ration book issued for that vehicle shall expire and all unused coupons and books issued therefor shall, within five days after such change, be surrendered to the issuing board, by the person to whom such ration was issued. Transferee, or purchaser, should apply for ration in his own name.

FLORIDIANS OUT FOR VICTORY . . .

FLORIDIANS bought \$94,327,000 (still buying) worth of bonds, 209 percent of the quota of \$45,085,000 assigned to the State, in the Second War Loan Drive. Indications were Florida exceeded its quota by the largest percentage of any State in the Sixth Federal Reserve District, which, in ratio of sales to quota, led the entire United States.

* * *

In addition to the \$94,327,000 bonds purchased by nonbanking interests, the banks of Florida bought for their own accounts, \$122,736,000 in 2 percent bonds and \$119,835,000 in 7-8 percent certificates.

* * *

Radio Operator Robert E. Altman, Sanford, survivor of the battle crash which killed Capt. Colin Kelly and now listed as missing in the Solomons area has been awarded the DFC, the decoration being received by his brother, Pvt. Julian W. Altman, stationed at Fort Leonard Wood. They are sons of Mr. and Mrs. D. I. Altman, Sanford.

* * *

Palm Beach County's 1940 crop of snap beans accounted for one-sixth of the Nation's production of this vegetable that year, according to Census Bureau. This year's war crop likely will go much higher and is sure to retain Florida's standing as leader of the 26 States producing this crop commercially.

* * *

Lee County has been raising more than \$500,000 worth of gladioli a year, but gladioli will not help win the war. Lee County is cutting its gladioli acreage by 50 percent this year. Putting in food crops.

* * *

Sgt. John H. Lee, U. S. Marines, son of Mrs. Ucile Lee, Pensacola, has been cited for meritorious conduct in action on Guadalcanal.

* * *

Students of Manatee high school (Bradenton) went into the fields to help harvest a million-dollar tomato crop threatened by labor shortage. Schools were closed two weeks for the task under a program sponsored by the Palmetto Businessmen's Club.

* * *

Florida has been placed on the honor roll of States which exceeded their quota of the recent Red Cross campaign for a \$125,000,000 war fund. Of the State's 84 chapters, 76 percent exceeded their quotas.

* * *

Cpl. Gordon W. Barton, Ft. Myers, has received the Silver Star and Purple Heart decorations for heroism "somewhere in New Guinea." Sgt. George W. Gunn, Jacksonville, received the Soldier's Medal for action in the same area.

Service men training in Florida recently viewed free motion pictures of Florida under sponsorship of the State Chamber of Commerce. The film was shown in 31 cities adjacent to training centers. It is believed it will do much toward making these trainees want to come back to Florida after the war is over.

* * *

A member of the Pensacola Rotary Club recently paid \$35,000 for a pound of coffee auctioned off in a war bond sale. Forty-eight pounds brought a total of \$135,200 and one five cent cigar brought \$3,800.

* * *

Lieut William Carter, skipper of a B-24 somewhere in Australia, recently was quoted by the Associated Press saying that the Japanese are shifting their good and bad pilots from area to area in order to confuse Allied Nations' fliers. Carter comes from Tallahassee.

* * *

Bartow, home town of Governor Holland, observed Hitler's birthday by staging an intensive war bond sale. Dollars raised will provide many presents for der Fuehrer. R. C. Hatton, chairman of the Polk committee, had the idea.

* * *

Dade County school board invested \$250,000 in war bonds in the recent drive, asked its attorney for authority to buy another \$900,000 worth.

* * *

Last month the Pompano State Farmers Market went ahead of its last year's record by 16,000 crates of shipped vegetables. The total on April 26 was 2,382,500 crates shipped, despite labor, fertilizer and crate shortages.

* * *

On April 27 the Office of War Information listed Florida casualties (killed or missing) since Pearl Harbor at 648—48 Army, 155 Navy, Marines and Coast Guard, killed; 241 Army and 207 Navy missing.

* * *

Carl D. Broein, chairman of the State Defense Council, recently declared "we believe Florida stands foremost among the States most subject to devastating effects of the war in its preparation of our civil population, our industries and resources." Continued alertness of civilian defense is urged.

* * *

Capt. Colin Kelley (Madison) was the first Florida hero of the war, but there have been many others since. The Silver Star, presented for "gallantry in action" is being

Wartime inventors with all their ingenuity have yet to produce a combination more dangerous than a driver with a fast car, a bottle of hooch and an open road.

worn by many Florida men. Col. Clarence M. Tomlinson, Fort Lauderdale, recently received it for his "exemplary courage and conduct was an outstanding example and inspiration to his troops," during bitter fighting around Buna. Lieut Feaster A. Norwood, Miami, a bombardier in a Flying Fortress, received the Distinguished Flying Cross for hitting a Jap aircraft carrier off Celebes.

* * *

Among other Floridians are such winners of the Silver Star as Sergt. Roland F. Provost, Orlando (also the purple heart for wounds sustained in action; Ens. Theodore F. Bruno, Pensacola; Lieut. Henry A. Keel, Umatilla; Lieut. Percy M. Hurton, Lakeland (with oak leaf cluster in lieu of second silver star); Lieut. Bruce A. Gibson, Jr., Tampa; Sergt. William V. Koon, Fort White (with oak leaf cluster); Lieut. Robert C. Miller, St. Petersburg (also DFC and air medal); Lieut. Clyde H. Barnett, Jr., West Palm Beach; Lieut James H. Martin, Jr., Clearwater; Lieut Clarence T. Johnson, Jr., Atlantic Beach.

* * *

Florida winners of the DFC include Sergt. Benjamin F. King of Sarasota; Lieut. Albert H. Burr of Coral Gables, and Lieut. Talmadge E. Walker of Orlando, all of whom put in more than 50 flights on the "bully beef express"—the transport service which flew troops, guns and supplies over the Owen Stanleys in unarmed Douglasses.

* * *

Maj. Bernard A. Schriener of Miami Beach, received the purple heart for helping to plan last October's raids on the big Japanese base at Rabaul, and then on the first night of the three-night series of attacks flying the B-17 which dropped flares so that the others could pick out their proper targets.

* * *

The purple heart is awarded either for wounds received in action or for "a singularly meritorious act." Other Floridians who have won it include Cpl. Bryson C. West of Oklawaha, who was killed when his Fortress crashed after a successful raid on Jap holdings at Kendari, in Celebes; Lieut. T. E. Walker of Orlando, and Pvt. Robert A. French of Oklawaha.

* * *

Lieut. Duncan C. Myers of Bradenton and Cpl. William B. Whitman of Miami, received the air medal for "meritorious achievement."

* * *

All members of the graduating class of the U. S. Naval Academy, Annapolis, are taking a 10-week indoctrination course at the Naval Air Station in Jacksonville beginning June 14. The class will be divided into two groups of 375 ensigns to learn aviation talk and terms so they may be fitted for service with the fleet or marines.

* * *

Earl F. Mock, North Miami, a lieutenant in World War I, recently enlisted at Camp Blanding as a private. He has two sons in the service, Sergt. Roy J. Mock of the Marines and Seaman 2c Carl F. Mock of the Navy.

(Continued on page 33)

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FLORIDA FANTASIA . . .

FLORIDA WENT into second place among the States in fruit production in 1942 with a crop worth \$31,000,000 more than that of 1941 (65 percent gain), according to a report of the State Chamber of Commerce. Fruit accounted for 39 percent of the State's farm cash income. Vegetables returned \$59,284,000 cash to farms of the State. 29 percent of the total farm cash income. Livestock and livestock products had a value of \$36,857,000. Farmers sold 13,240,000 dozen eggs for \$4,306,000 and 20,000,000 pounds of broilers for \$5,079,000.

* * *

Barberville will not have its annual Geiger Family Reunion this year. Leaders of the clan have decided that gasoline and tires are too hard to get and suspended reunions for the duration.

* * *

Commercial fishing in Florida has increased from 30 to 60 percent since the lifting of restrictions on April 6, according to report of the district coast guard. More favorable weather conditions and preparation of gear for night fishing will increase the take further, it was said. Rear Adm. W. R. Munroe, commandant of the Seventh Naval District, said he wants fishing operations expanded and that his organization will do all it can to assist fishermen.

* * *

Federal District Judge William J. Barker (Tampa) recently swore in the 1000th foreign born soldier in the U. S. Army this year as a U. S. citizen. The 1000th was Shew Jung Lum, native of Canton, China.

* * *

Estimates based on registrations for War Ration Books in March place the population of Florida at 2,084,500, an increase of 10.4 percent since April 1940. Dade County was first with an estimated population of 304,736, Duval second with 255,936 and Hillsborough third with 199,800.

In general, greatest growth was recorded in the metropolitan counties. During the three-year period, Dade County gained 13.8 percent, Duval County 10.9 percent, Pinellas County 23.8 percent, Orange County 14 percent, Palm Beach County 11.2 percent, Escambia County 27 percent. Bay County showed the greatest percentage of increase, from 20,686 to 36,736—a gain of 77.6 percent.

Greatest loss was in the general farming areas. Levy County losing 28.8 percent, Liberty County 20.3 percent, Madison County 9.5 percent, Santa Rosa County 11.8 percent, Union County 26.8 percent, Taylor County 16.7 percent. Largest percent of loss was in Glades County, which dropped 30.2 percent or from 2,745 in 1940 to 1,816 in 1943.

Citrus cooperatives in Florida are growing in volume and business, according to a report of the Gainesville agricultural experiment station. Citrus marketing association volume more than tripled between 1925 and 1940. The mortality rate for independent firms which operated during the 1935-36 season was 61.7 percent while coops died off at the rate of 44.2 percent.

* * *

It sounds ridiculous but there's logic behind it—the Orange County rationing board recently allotted ration points to a colony of 10 frogs. The carnivorous members of the family Ranidae are used experimentally by a hospital technician and were brought here from Africa.

* * *

The Tampa rationing board recently set a date for an old-fashioned picnic and fish fry but is bothered as to how to get the five pounds of cooking fat and two pounds of coffee needed.

* * *

Pan-American clippers are now flying more than a million miles per month on Caribbean, Central and South American routes, according to a report from Miami. In March the Eastern division fleet more than doubled its express ton mileage and increased its passenger miles by nearly 1,000,000.

* * *

St. Petersburg's oldest native-born citizen, Horace Williams, Sr., died recently at the age of 59. He was the grandson of John C. Williams, founder of the city.

* * *

Florida department stores increased their sales by 27 percent in March this year over March 1942, and other retailers increased their business by 31 percent over the same period, according to report of the Bureau of Census. Filling stations reported the only decrease, 8 percent.

* * *

Jacksonville cemetery associations and operators have discontinued Sunday funerals because of the shortage of labor.

* * *

State Chamber of Commerce will have ready for distribution in June a complete list of Florida manufacturers, according to announcement of Harold Colee, executive vice president. More than 3,000 active industrial firms will be listed alphabetically, according to products manufactured, and geographically by cities and towns. To assure accuracy all listings have been checked and double checked by the research division and by local chambers of commerce.

The State Chamber of Commerce feels that there is a distinct need for this direc-

tory, Colee stated. It should prove valuable in placing the names and products of Florida manufacturers before a much wider market, especially in relation to out-of-State purchasing agents, government procurement agencies, etc. It will also be a valuable source of information to Florida business interests. A nominal price of one dollar per copy will be charged to cover cost of publication.

* * *

The Orlando FBI office recently received a hurry call to a farmer 30 miles away who said that he had captured a carrier pigeon with a secret message tied to his leg. The G-men rushed out and found that the bird was a straggler from a fanciers' club race.

* * *

Production of Tampa cigars jumped to 43,323,648 in April but was still short of the National demand, according to industry officials. The gain for the month was 2,130,163 cigars.

* * *

"Bring him in," said the Miami Herald service editor to a woman who phoned asking if the paper would like to have a picture of her baby whose father had gone overseas.

"Can't," said the caller. "He ain't born yet."

* * *

The Federal Bureau of Investigation is becoming interested in the problem of Florida forest fires, especially if they are on government-owned land. One farmer in Wakulla County is now out on bail awaiting trial on a charge of setting fires. He was arrested by a G-man.

* * *

Twenty-two officers and men of the Navy are making underwater pictures at Silver Springs to demonstrate the technique of deep-sea diving. The films will be used in diving schools.

* * *

Citrus packing plants in Florida may not have to convert from oil to coal and most of them are delaying purchase of equipment until a definite ruling is made by the petroleum administrator. Conversion would cost the industry something like a million dollars.

* * *

At least one church in Florida is debt-free. The Park View Baptist church (Fort Pierce) celebrated this month with an all-day "dinner on the grounds" program, with the pastor and former pastors taking prominent parts.

* * *

Prentice Cooper, governor of Tennessee, finding himself barred from deep-sea fishing by regulations governing pleasure fishing, joined the crew of a commercial fishing boat at Daytona Beach recently and landed a big red snapper.

* * *

With all of Florida's fine pasture lands, Camp Gordon Johnston (Carrabelle) has to get its milk from upper Minnesota, 1,500 miles away. It is four days old when it reached the camp in specially iced cars.

(Continued on page 34)

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With County Commissioners

UNION COUNTY recently paid off the last of the road and bridge bond indebtedness taken over by the county commissioner from bond trustees in 1941. When the commission assumed the duties of the trustees, including upkeep of roads and bridges, it established a new policy sponsored by the late G. W. Spires, chairman, to construct only permanent concrete culverts instead of the old wooden bridges. It also went on a cash basis for labor and materials used in road work.

This policy saved Union County taxpayers many hundreds of dollars and also worked to the benefit of workers who, formerly, had been paid as little as 50 cents on the dollar for their labor.

* * *

County Attorney Allison of Hillsborough assisted in drawing up State-wide bills for the present legislators to handle delinquent taxes. He worked with the State tax committee in Tallahassee.

* * *

Lafayette County commissioners have been clearing up titles to lands which had formerly been designated for roads which have now been abandoned by deeding the properties back to their original owners. It also has released land formerly occupied by the Florida railroad to the Brooks-Scanlon Corporation.

* * *

Rates on the Gulf County canal have been revised by the Gulf County commission and are now in effect for all vessels using the waterway.

* * *

Hernando County commissioners have authorized a raise in the salary of County Agent C. D. Newbern.

* * *

Volusia County is the latest commission to join in the movement for post-war planning by appointing Deputy Clerk James V. Doyle and George W. Potter as a committee to prepare plans for consideration.

* * *

Commissioners of Martin County have officially requested Congressman Cannon to include equipment able to navigate the south Florida cross-State waterway in any barge-building program undertaken. The commission joined the Gulf-Atlantic Canals Association.

* * *

More than \$55,000 in delinquent taxes have been collected by St. Lucie County since the sales advertising campaign was started. This is some \$30,000 more than the normal collections for the period. In reporting the success, the Fort Pierce News-Tribune says: "Not only have certificates on most of the properties which have been advertised been sold or redeemed, but the campaign has greatly stimulated the payment of delinquent taxes on numerous other properties and the total effect has been that the county and State are in thousands of dollars which they otherwise would not have been collected."

Madison County commission recently published a complete statement of finances and objectives of the commission followed by a statement that records of the county are open to public inspection at any time.

* * *

Gadsden County commissioners are officially supporting the program of vegetable and fruit canning in that county. The board has taken over responsibility for preliminary expense of the movement in several towns of the county and has purchased some 48,000 tin cans for use of the centers. Miss Elise Lafitte, county home demonstration agent, is in charge.

* * *

County prisoners of Suwannee County will be kept in the county jail hereafter, the convict camp on the Branford road having been closed due to the few prisoners enrolled.

* * *

Peter Gessner, chairman of the Volusia County commission, recently celebrated his 75th birthday anniversary at DeLand. He is known as "Uncle Pete" among his friends and has been a member of the board with the exception of one term since 1933.

* * *

DeSoto commissioners are arranging to call some \$15,000 in jail bonds which were refunded in 1940 with accumulated funds some of which are now invested in war savings bonds. All of the \$58,000 issue is said to be in the hands of one family.

* * *

Columbia County commissioners have joined with Lake City officials in support of a community kitchen to be conducted by Miss Elizabeth Dickinson, county home demonstration agent.

* * *

Future applications for adjustment in valuations on assessment rolls must be approved by the county board, according to decision of the Pinellas commission in agreement with Tax Assessor C. A. Wilcox.

* * *

Marion commissioners have agreed to contribute \$750 for the 1944 Southeastern Fat Stock Show to be held in Ocala.

* * *

Pinellas commissioners announce that State Senator John S. Taylor has made the fruit of an entire tangerine grove available to the inmates of the county home.

* * *

Alachua County delinquent taxpayers will receive letters from the county commission calling attention to the 1941 laws and informing them that the money is needed to prevent an increase in millage for school funds.

* * *

Garbage collectors of Hillsborough County have been warned by the county commission of its authority to prosecute those who scatter litter on streets and roads. The action follows many complaints from citizens and drastic measures are hinted.

W. Carl Davis & Son, Palatka, Putnam County undertakers, have been given the contract for burial of Flagler County white indigents, there being no such establishment in Flagler.

* * *

Valencia oranges on Orange County property brought the commission a total of \$2,700 (\$2 per box) recently.

* * *

Dade commissioners are heading a movement to get a USDA pathologist stationed in the county for the study of a fungus which is causing serious loss in vegetable gardens. Support of the Florida delegation in congress has been assured.

* * *

Chairman A. A. Poston and County Attorney Henry Lileenthal of Palm Beach County are investigating the legality of establishing a post-war public works fund. Some commissioners were of the opinion that the matter would have to await a new budget. The county recently bought \$10,000 in war bonds from the county jail fund.

* * *

Sumter County commissioners are cooperating with farmers by making it difficult for able-bodied men to escape employment by urging officials to vigorously prosecute all vagrancy cases.

* * *

In reporting pension cases, the Palm Beach County commission discloses that a woman living in West Gate, aged 89 has been drawing Civil War and Indian War pensions for 45 years.

* * *

Backed by the Duval County commission, that county's delegation in the legislature has passed a civil service bill for that county. It establishes a civil service board of five members and places all county employes under its jurisdiction. Elective officers are excluded.

* * *

Hillsborough County commissioners have posted a \$50 reward for the conviction of persons unlawfully setting fires in the county. Woods fires have been numerous this year.

* * *

St. Johns County commissioners have elected to board tubercular patients of that county in the Duval County hospital. The small number of patients in St. Johns makes cost of maintaining a hospital prohibitive.

* * *

Elimination of a conservation officer in the county has brought a protest from the Volusia County commission to the State Conservation Department. Reduction in the county staff would seriously hamper conservation measures, the protest said.

* * *

Wauchula Kiwanians recently went on record as opposing any increase in the salaries of Hardee County commissioners.

(Continued on page 35)

ALLEN BROTHERS

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DUVAL COUNTY'S RESPONSE to the National demand for home gardens and home canning to relieve the shortage caused by canned goods going to troops overseas and to United Nations allies could be followed by every county in the State.

Where heretofore but 20 percent of Duval's rural families had home gardens and put up home-grown vegetables, 75 percent now are growing and canning their own, according to Miss Pearl Laffitte, county home demonstration agent.

What this means in food conservation may be judged by the fact that each family of five that grows and cans all of the vegetables—and fruits—it needs the year 'round must, during the growing season, put up 820 quart containers of food.

By multiplying the number of vegetable growing families by the number of quart containers, it is seen that Duval County rural families this Summer will put up approximately 7,000,000 quarts of foodstuffs.

Miss Laffitte says there are hundreds of families that have not yet used a single blue rationing stamp. The blues call for vegetables. There are many also that do not have to go very heavy on their meat rationing coupons.

These vegetable growing and canning operations are by no means confined to the rural families, either. Residents of Jacksonville are paying more attention to vegetable gardening this Spring than ever before, and city housewives are among the most active workers in the canning centers maintained within the city to give instructions to those seeking to learn more about food conservation.

In the center at 111 Market street, which has been maintained for many years by the home demonstration department and which heretofore has been patronized largely by rural residents, two city dwellers to one ruralite are now attending the canning sessions, says Miss Laffitte.

The demand for such instruction is growing at such a pace, as a matter of fact, that another center is to be established in Murray Hill.

Much larger provision is being made to take care of the strictly rural demands, however; that is, in the outlying community centers. Fourteen additional working units, where canning instruction and food conservation methods will be provided, are being set up. This will bring the total to 18. Two of the units are maintained for colored people.

The center at 111 Market street is operated throughout every year. The others are to be maintained during the growing and canning season, or as long as the demand for instruction continues.

In this way the home demonstration department is functioning in connection with the National food production and conservation program, bearing in mind the words of President Roosevelt:

"Food is a weapon just as much as munitions, and food will continue to be a

STATE DEMONSTRATION AGENT ISSUES STATEMENT TO VICTORY GARDENERS

For the benefit of Florida Victory gardeners, Miss Mary E. Keown, State Home Demonstration Agent and chairman of the home gardening and conservation division of the State Defense Council, has issued the following report:

Steam pressure cookers will be rationed in rural and urban communities through State and county USDA war boards with preference probably going to canning centers rather than to individuals.

Extra sugar coupons for home canning will be made available by OPA at about the same basis as that of last year.

Kerosene and range oil will be made available by OPA for home canning on the basis of stated needs up to 10 gallons and in accordance with the esti-

mated hours of stove operation for more than 10 gallons.

Short water line extensions have been authorized by the War Production Board for victory gardens containing at least 5,000 square feet, producing edible crops and not served by a water line, if the owner will agree in writing to comply with water utility conservation rules.

Steam pressure cookers should be used for canning nonacid fruits and vegetables, meats, poultry and other products in strict accordance with regulations distributed through defense councils and home demonstration agents.

Miss Keown warned that Florida conditions differ from those prevailing in some other States and that spoilage and menace to health may result from careless canning methods.

weapon in all efforts toward insuring a more orderly, prosperous and peaceful world. We need not only abundant production for ourselves and for other nations resisting aggression, but we need reserves to meet emergencies which can as yet be only dimly foreseen."

That statement was made two years ago. Miss Laffitte brings it up to date by warning that:

"It appears improbable that 1943 will be a year of bumper crop yields. Weather throughout the United States is not what it should be. You are wise, therefore, to take good care of your victory garden, to go ahead with canning plans, even to keep some chickens."

If further urging is needed to get more people to plant victory gardens, it will be found in the warnings that are coming from the great population centers of the country as to hidden price rises, quality and quantity reductions, black markets that threaten to continue sending living costs up, and the increasing difficulty the salaried man faces in getting an increase that will enable him to meet the higher prices.

SODA CLEANS TERMINALS

Battery terminal corrosion is a simple thing to end. Drop a little washing soda on the corroded part, then add a few drops of water. When the substance is loose, blow it off with the hand tire pump. Then dry the part and the top of the battery and give the terminal a generous coating of vaseline or grease. Ten minutes is all the job requires, and it does not need to be done more often than once in two months.

FINAL STEP TAKEN ON 'GLADES PARK

One of the final steps for post-war creation of the Everglades National Park was taken at Tallahassee this month when Governor Holland signed a legislative act authorizing the Internal Improvement Board to transfer State-owned lands in that area to the Federal Park Service.

This act, together with authorization for the expenditure of \$25,000 for continuation of the operations of the Everglades National Park Commission for two more years, paves the way for the eventual opening of an attraction which, it is estimated, will bring an additional 200,000 automobiles to Florida each year.

In supporting the measures, Senator Ernest Graham, Miami, declared that tourist business attracted by the park will amount to \$20,000,000 to \$30,000,000 annually and that at least \$1,000,000 of this will go to the State each year in revenue from the gasoline tax.

The \$25,000 appropriation for the commission will keep the park proposition alive "so that we will be ready to go ahead with the park as a post-war project," said Graham.

The transfer of the land to the government, heretofore impossible because it was subject to the indebtedness of the Everglades Drainage District, can now be made since Governor Holland promoted and carried out a deal relieving the district of the indebtedness.

The reason opportunity fails to knock for so many is because they're not worth a rap.

Florida Farmers Meeting Quotas . .

REPORTS RECEIVED from 65 Florida counties indicate that farmers of the State are going to meet most of their 1943 war food production goals if they are given an even break by the weather, according to H. G. Clayton, head of the United States Department of Agriculture Florida War Board, who has headquarters in Gainesville.

"With less labor, fertilizer, and equipment than they normally would use for such big crops, farmers are going to have to put forth greater effort than ever from now to the end of the harvest season, but it looks like they are out to meet most of their goals and they will do it if possible," Clayton declared early this month.

The present outlook, based on production under way or intended, as shown in the war board official's summary:

Livestock producers should achieve their goal of 264,000 head of cattle and calves for slaughter without great difficulty, as they now have or will have this year a total of 954,000 head, or 96,000 more than they had in 1942—a record-breaking year.

Pork producers will surpass their goal again this year. The 1943 goal for sows to farrow, Spring and Fall, is 179,000, but reports indicate 225,000 farrowings.

The goal for 108,000 milk cows will hardly be reached, the number reported being 99,000.

Cold weather, blue mold and diversion of land to food and feed crops are reasons why bright leaf tobacco farmers will fall short by about 3,000 acres of their quota of approximately 16,000.

Upland cotton plantings of 48,000 acres, however, will run 8,000 above the 1943 goal.

Reports indicate that farmers are responding to the government's call for more peanuts this year with record-breaking plantings of 422,000 acres—172,000 above the goal. This acreage will include peanuts for oil and hog feed.

Commercial vegetable plantings are expected to total 180,700 acres, or 2,700 above the goal.

Sweet potato acreage will top the goal of 25,000 acres by 16,000, but Irish potato plantings may fall 1,500 acres below the goal of 34,000.

The 3,406,000 hens and pullets on Florida farms should easily produce the 1943 goal of 17,613,000 dozen eggs. There are 919,000 more hens and pullets on farms this year than there were in 1942. A total of 5,000,000 chickens is expected from farms this year, but production probably will fall short by 332,000. It is doubtful whether the goal of 138,000 turkeys for market will be achieved.

The number of sheep and lambs on farms has dropped from 9,800 in 1942 to 7,000, and the goal of 4,000 head for slaughter in 1943 will hardly be reached.

Planting of 773,200 acres of corn, 23,000 more than the goal, and 52,000 acres of oats for harvest and grazing, more than three times the goal, indicates that farmers

Farm Production In Florida Shows 49 Percent Gain

Florida farm production, total value of products sold or to be sold in 1942 amounts to \$208,000,000, a gain of 49 percent over the \$140,000,-000 produced the previous year, according to W. F. Callendar, Federal agricultural statistician, headquarters in Orlando.

The estimates do not include forest products and many other commodities, such as wool, honey, mangoes, nursery products, produced in small quantities, or the value of products produced on the farm and consumed there.

Cash sales of meat animals, poultry, eggs and milk totaled \$37,000,-000 and \$171,000,000 will be reaped from vegetables and fruits.

Callendar issued the following comparison, with sales from 1941 production first, sales from 1942 production in parentheses:

Oranges, \$34,551,000 (\$68,112,000); tangerines, \$3,192,000 (\$6,592,000); grapefruit, \$16,814,000 (\$26,380,000); peanuts, \$2,109,000 (\$3,818,000); Irish potatoes, \$2,873,000 (\$6,089,000); milk, \$10,777,000 (\$13,329,000).

Cattle, \$4,628,000 (\$5,126,000); hogs, \$5,939,000 (\$13,662,000); broilers, \$2,146,000 (\$3,071,000); eggs, \$3,396,000 (\$4,306,000); chickens, \$1,842,000 (\$2,008,000); turkeys, \$339,000 (\$413,000).

Sugar was the only crop in which a decrease was reflected this season.

are looking seriously to the matter of providing feed for their expanded flocks and herds this year.

Thus, the fifth month of the year finds Florida farmers planning and carrying out operations they hope will enable them to meet or surpass their war production goals for peanuts, corn, oats, hogs, cattle, sweet potatoes, commercial vegetables, eggs, and cotton. Reports indicate achievement is doubtful for goals for poultry for market, sheep and lambs, bright leaf tobacco, Irish potatoes, and milk cows.

While production of vegetables and poultry and eggs by city people this year will make a very definite and sizable contribution to the State's total food production, the figures released by the USDA War Board do not include urban production.

Preignition, which is different from pinging or knocking, most often results from overheated spark plugs firing the gas charge before it has been compressed.

FORESTRY DIVISION IS RENAMED BY SHERMAN

Recognizing valuable services performed during the year which he said should warrant another term, Walter C. Sherman, Panama City, president of the Florida State Chamber of Commerce, has reappointed all members of the chamber's forestry division.

"While the war has held up aggressive action on some of the recommendations of the forestry division," Sherman said, "the seven-point program worked out by it contains many splendid features which cannot be ignored when the war ends. I feel that the membership of the division should be retained intact so that it can continue the excellent work it has inaugurated during the past year."

The seven-point program recommended by the division and approved by the State Chamber of Commerce includes a complete study of forest taxation made by the U. S. Forest Service at the request of the division. Other subjects dealt with in the program are State-wide fire control, naval stores research, separate forestry and park commissions, government forest regulation, tree farms, and forest research.

The membership of the division announced by President Sherman are: Charles A. Gillett, Norfolk, Va., chairman; H. M. Wilson, Jacksonville; W. T. Edwards, Port St. Joe; W. L'Engle Barnett, Mount Dora; George F. Bensel, West Palm Beach; Stanley Sheip, Apalachicola; S. Bryan Jennings, Jacksonville; W. F. Walker, Tampa; C. R. MacPherson, Palatka; W. E. McArthur, Jacksonville; Wayne Thomas, Plant City; E. A. Hauss, Century; M. J. Foley, Foley; Mark Fleishel, Shamrock; A. H. Stier, Fernandina; H. B. Everitt, Jr., Panama City; Norman Gibbs, Fernandina; R. H. Laftman, Jacksonville; J. H. Allen, Pensacola; J. S. Parish, Jacksonville; C. A. Vaughn, Umatilla.

EMERGENCY NUTRIMENT

Some motorist tourists, especially those experienced in traveling over long stretches of sparsely settled terrain, make it a practice to put a few bars of chocolate or candy in the glove compartment of the car. It is a habit that can be recommended unequivocably to all long distance travelers.

School days bring back thoughts of reading, writing and arithmetic. Those three R's were an essential part of our education. It is just as essential to learn respect for, and obedience to all traffic laws. The first we learn in order to make a living, the second, in order to keep on living.

With gas rationing now a common problem, there's considerable consolation in the thought that the blowhard who used to boast about getting fifty miles per gallon with his heap is now going to get a chance to prove it.

University of Florida Developing Clover and Grass Seed Industry

J. Francis Cooper
Florida Experiment Station

ENCOURAGED BY WORKERS with the University of Florida Agricultural Extension Service and the Agricultural Experiment Station, a clover and grass seed industry seems fast developing in Florida.

Long dependent on outside sources for most of its seeds, Florida is beginning to harvest its own under the stimulus of wartime conditions, and the possibility of an enduring seed harvesting business is seen for this State.

In the meantime, University agronomists are urging farmers to harvest every possible pound of clovers, which are now seeding, and grasses, which will be seeding heavily in July, August and September. With a tight seed situation, farmers who do not harvest their own may not be able to obtain any seed.

At the same time they are insuring themselves a supply of seed by local harvests, farmers are obtaining the best seeds they can get for Florida conditions.

Recent tests by Roy E. Blaser, associate agronomist at the Florida Agricultural Experiment Station, have demonstrated clearly the marked superiority of local clover seeds over those obtained from commercial stocks grown elsewhere.

For the last two Winters, at both Quincy and Gainesville, White Dutch and Black Medic clovers from Florida seed made four times as much growth as the same kinds of clovers on the same kinds of plots, but from commercial seed stocks.

Plants from local seed reseeded much better also. Hubam and yellow annual sweet clovers from commercial seeds made practically as good growth as did those from local seeds, but did not reseed nearly as well.

With feed one of the critical items confronting the livestock industry—Florida and other farmers and ranchmen now have more animals than ever before in history.

Blaser thinks that Florida farmers would do well to harvest every possible pound of clover and grass seeds for future use, since these plants provide the cheapest foods obtainable.

White Dutch, Black Medic, Hop, Melilotus and other clovers growing in Florida pastures and along roadsides are beginning to produce seed already, and will seed during May and June.

Agronomists suggest that grazing be stopped on pastures long enough to permit a seed crop to mature and be harvested, and that farmers harvest seed from roadsides and other plots where clovers may be growing.

Most of the grasses and lespedeza will not produce seed heavily until later in the Summer but these workers and county agents are urging farmers to plan to save seed of Bahia, carpet and other grasses for Florida pasture plantings.

All commercial stocks of carpet and ber-

muda grass have been frozen by the government, giving added emphasis to a home-produced supply. Pasture plantings this year have been hampered by a shortage of seed.

W. E. Stokes, experiment station agronomist says clover and grass seed can be harvested by any one of eight different methods, which he lists as follows: By hand, mow and scatter, mow, cure and thresh, mow with seed-pan attachment, combine, strip by machine, suck up with machine, and sweep up with stiff broom.

County agents throughout the State are now laying plans for utilizing all available seed harvesting machinery and equipment in an organized effort to let no seed go to waste.

"Florida and other Southern States now have an unparalleled opportunity to increase production of livestock," says Stokes. "The realization of this opportunity will depend to a great extent upon whether we are able to produce and harvest a large portion of our own pasture seeds."

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Junior Chambers of Commerce

Active In Sales of War Bonds

THIS WAR MUST be won by American forces on three fronts, according to Karl Lehmann, Jacksonville and Montverde, Florida deputy administrator of the War Savings staff of the U. S. treasury in a recent address to the Florida State Junior Chamber of Commerce war conference in Miami Beach.

"America must win: (1) on the fighting front, (2) on the production front, and (3) on the financial front," says Lehmann, telling the Jaycees, who have already done much to strengthen Florida's effort, that they must continue to fight on all three fronts.

Junior commerce members who are now at the fighting front with the U. S. armed forces in every section of the world are making every sacrifice, even to giving their own lives for the great ideals of America, while others among the junior commerce membership are now utilizing their skills by efficient service in the war industries of America, helping to maintain the production front, which must supply the ammunition and weapons for the men on the fighting front, he pointed out.

He said further that the job the Junior Chamber of Commerce of Florida has done during the past year in the sale of war bonds and stamps has been a factor in helping, not only to provide the necessary financing to maintain the men on the fighting front and those on the production front, but to aid America in stabilizing our wartime and post-war economy.

Florida has made an outstanding record. Between May 1, 1941, when the President of the U. S. bought the first bond and April 1, 1943, the people of the State of Florida have bought more than \$173,000,000 worth of war bonds, through the activities of the war savings staff of the U. S. Treasury.

"In December the victory fund committee sold \$65,000,000 worth of treasury securities in Florida, while in April in a combined campaign of the victory fund committee and the war savings staff of the treasury, operating as a war finance committee, sold in excess of \$72,000,000 worth of treasury securities, against our huge quota of \$45,085,000, and there is a probability that by this noon the complete record of the sales for the month of April will reach the \$80,000,000 mark in Florida," he said.

"But we know that the people of this State have purchased more than \$310,000,000 worth of war bonds and other treasury securities, which means that \$310,000,000 has been made available to our government for the tremendous war expenditures.

"But better than that, it means that \$310,000,000 has been skimmed off of current income and taken out of the channels of trade to help keep down competition and heavy unnecessary buying of commodities in the open market.

"This same \$310,000,000 which has been taken out of the channels of spending and put away as savings means that when

this war is over and we go into the period of readjustment, Florida will have more than \$310,000,000 flowing back through the channels of trade to reestablish peacetime employment and peacetime buying because this \$310,000,000 worth of treasury securities will have accumulated additional interest, all of which will mean much to Florida in these days that lie ahead.

"Junior Chambers of Commerce, by their fine participation during the past year, have set the pace and cut the pattern for the program of the coming year. Your sales of stamps and bonds in Jaycee meetings, your "Girl We Fight For Contest" and the magnificent job some of your members are doing in helping establish payrolls savings in this State is helping to build a stronger and better financial world for this war.

"The Florida war savings staff of the treasury, through its administrator, John L. Fahs congratulates you on the fine record of the past year and covets your continued cooperation through the years that lie ahead of us."

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Wood Replacing Tons of Metal Needed For Vital War Projects

Joseph L. Stearns

National Lumber Manufacturers Association

CONVERSION TO WOOD of products previously manufactured of metal will release to war service more than five million tons of metal during 1943, technicians of the National Lumber Manufacturers Association, Washington, D. C., estimate. This figure is compiled from reports of WPB, Army, Navy, Maritime Commission, Forest Service, Census Bureau and industrial concerns.

Statisticians of the association find that, on the average, it is possible to save one ton of steel by the use of one thousand board feet of lumber. On some items, such as cast iron, it is possible to save more; on others, such as sheet metal the saving is smaller.

The volume of saving is comparable to the 1942 figure but there is a definite difference in the use of the material. Last year wood went to bat for metal in construction. Now the cantonment building program, the shipyards and the factories are all but complete. The industrial effort has shifted from construction to production. Wood is being used this year to replace metal in a long list of civilian products that have been largely curtailed or discontinued, as well as being diverted into essential war uses other than construction.

Expenditures for construction in 1942 reached an all-time high of \$6,170,000,000. Had it not been that timber replaced structural steel so extensively, a building program of this magnitude would have been impossible. The savings of structural steel in roof trusses alone through the use of timber connector construction has been estimated by the company at 400,000 tons.

Manufacture of some 2,200 metal items has been stopped entirely. Many of these are still being produced—in wood. Wood is performing some jobs it never has done before but in many instances the use of wood is not historically new, although its use is new in modern industrial practice.

For example, when the manufacture of metal furniture was stopped, that portion of the furniture industry reverted to wood. That was followed shortly by the estoppel of metal springs for upholstered furniture and the industry met the crisis with a new development—wood springs. These are now fairly well standardized and, according to all accounts, are just as comfortable and substantial as the metal springs they supplanted. The shift back to wood furniture was not too difficult, because the bulk of metal had been finished to simulate wood grain anyhow.

The range of consumer goods in metal that have been estopped or seriously curtailed and have reverted to wood in whole or in part, is surprising: Mechanical re-

frigerators, caskets and vaults, door and window screens, mirror and picture frames, certain farm implements, beauty shop equipment, children's vehicles, athletic equipment, lawn mowers, slot vending machines, radios, carpet sweepers, weather strip, gutters and downspouts, bottle caps, pocketbooks, atomizers, bathtubs, jelly molds.

Thus, wood is pulling an extra oar on the home front, although the pressure for direct war service has not relaxed. While the shipyards and cantonments are built, demands for wood continue to tax the utmost efforts of the forest industries. Probably the greatest single consumer of lumber this year is the box and crate industry. Nearly one-third of the total 1943 production of lumber, or 10,500,000,000 board feet, will be used for boxes and crates for shipment of military supplies, according to the best authority.

It takes both workers and employers to turn out the weapons to lick Hitler. It takes both war bonds and taxes to help pay the bill. Buy more war bonds.

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Comment on Governor's Message..

LAKELAND LEDGER—Happily there is at the helm one of the most capable governors Florida has ever had.

BLOUNTSTOWN RECORD—Governor Holland is not the kind of governor to let events and crises overtake him without consideration and planning.

POLK COUNTY DEMOCRAT—We confidently expect the legislature to seek and find means of replacing the loss (revenue) without seriously affecting the economic structure of the State or too radically touching the pocketbooks of the taxpayers.

ST. PETERSBURG INDEPENDENT—Governor Holland's message to the 1941 legislature was probably as sound and businesslike a document as had ever been read to a group of assembled Florida legislators. And the one he delivered yesterday lives up to the promise of the first . . . Spessard Holland's legislative leadership could well be taken as a model for future governors, not only for the breadth, depth and soundness of his suggestions, but also for its democratic, undictatorial spirit which disarms criticism and makes no effort to smother opposition. It might even serve as a National model in a country whose president and congress, regardless of which party occupies the White House, are so often working at cross-purposes . . . The achievements of his first two years and his suggestions for meeting the difficult two years to come, are worthy of the highest admiration.

OCALA STAR—Governor Holland's message presents to the lawmakers a rather complete picture of State government in all its phases and the effect of the war on State affairs, with certain specific recommendations for corrective legislation where the need is shown . . . It is noticeable that the governor places equal responsibility on the legislature, himself and other State officials for practicing rigid economy under wartime conditions. He courts the confidence of members of the assembly and freely shares with them his knowledge about State affairs. It is a message that should bring about a spirit of cooperation and teamwork at Tallahassee that it is to be hoped will be reflected in a sound fiscal program leading to a better balanced economy for the State and its people.

BRADENTON HERALD—It was a sound message, and it comes at a time when conditions are most unusual and the State's chief executive had to go to considerable length to cover all the situations . . . It is a relief to find Mr. Holland's tax program so simple . . . It may be said that if new revenue must be produced, which The Herald honestly doubts, then a tax on cigarettes would be the least punishment of all, although the cigarette is heavily taxed by the Federal government.

TALLAHASSEE DEMOCRAT—The general tone and import of the message has met with apparent general approval. The governor's recommendations for holding down taxes and his expressed willingness to operate the State on far less money than was appropriated and expected when the

legislature of 1941 adjourned, conform with the spirit of economy which permeates the capitol and the State these days.

LAKE WALES HIGHLANDER—Let's get behind our men in Tallahassee, from the best governor we have ever had, right down to the men we expect to take care of our best interests, and tell them to use their own heads and do those things which any man of ordinary intelligence knows should be done.

SARASOTA HERALD - TRIBUNE—Florida is very fortunate in having for its governor at the present time Spessard L.

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Holland. The governor takes a wide and statesmanlike view on State affairs. He is able, conscientious and courageous. He aims all the time at being right, and sure of being right, he does not hesitate to express freely and forcefully his views on public af-

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fairs. In his message to the legislature, he has outlined a program which he believes to be for the best interests of the State and calculated to promote its welfare. Whether or not he will be able to get along with the legislature and to have his policies carried out, he deserves, and we are satisfied will enjoy, the confidence of the people of the State.

MIAMI NEWS—Governor Holland's message is a sane, sincere, constructive, but essentially conservative document . . . The message contains many recommendations that are forward-looking . . . Although, Governor Holland has sent to the legislature a sound and well-balanced, if not spectacular program. It is a program pitched on a high note of sincerity and a lofty conception of public service. If the legislature will lay aside petty bickering and political trading, it can make this program the core, although not necessarily the be-all and end-all, of the deliberations. If it could do this, there is no reason why, as the governor suggests, it could not give the State a brisk, forthright, shorter-than-usual, and therefore economical session.

OKALOOSA NEWS-JOURNAL—The wise and aggressive leadership of Governor Spessard L. Holland has been shown through the many State agencies and before groups throughout the State. It is not that we expect Governor Holland to be the only one in Tallahassee with enough intelligence to tackle the problem from an unbiased and unmitigated viewpoint. Many men in the lawmaking body are thoroughly capable of bringing before the body workable plans that will benefit all.

ORLANDO SENTINEL—Florida taxpayers, reading the governor's discussion of State finances and finding the situation practically under control, have reason to congratulate themselves on the careful and judicious administration of the public funds during Holland's two years in office . . . The sound record in a period when many affairs are unsettled deserves the highest commendation of citizens.

Motorists who remember that 16 percent of the fatal accidents attributable to physical conditions are caused by skidding will be that much better fortified against the temptation to drive fast when street conditions are the kind that cut traction to minimum.

TELLS HOW JAX GETS WAR GOODS CONTRACTS

Edward D. DeLuca, engineer of the industrial division of the Jacksonville Chamber of Commerce, recently explained to members of the Advertising Club of that city the plan and methods used in assembling and disseminating information which has resulted in many Jacksonville firms getting war contracts.

The preliminary work, he said, included an industrial survey of Jacksonville plants, listing products, type of machinery and other statistical data; grouping the firms into divisions such as metal, wood and cloth shops; estimates of manufacturing potentialities and finally placing the summaries in the hands of governmental agencies and prime contractors.

This service was rendered all firms and not restricted to Chamber of Commerce members, the industrial engineer emphasized. "The chamber is interested in the total payroll and not individual promotion," he said. A partial canvass of the results of this effort to bring Jacksonville wartime business indicates that 285 invitations to bids on items have been extended local concerns.

The Chamber of Commerce, the engineer brought out, also has studied purchasing procedure and compiled lists of government agencies and large prime contractors for the information of local shops and plants and as part of its effort to aid business in Jacksonville. He listed fuse boxes, pontoons, barges, trailers, ship and motor parts as

Motorists who never take an inventory of the tool kit may find themselves without a jack or lug wrench when caught with a flat tire. It is a form of forgetfulness that runs into money unless one has flat tires directly in front of the repair shop.

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among the war products, other than ships and the output of large establishments, being produced in Jacksonville.

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FLORIDA

DRAFTING OF FLORIDA PRISONERS PLANNED

With the naming of a special selective service board at Raiford, arrangements have been completed for the drafting of prisoners for military service, according to announcement of Francis R. Bridges, Jr., chairman of the Florida Patrol Commission.

The board will cooperate with the commission on the same plan as that used by other State and Federal prisons.

The Raiford draft board includes R. M. Riherd, member of the regular Union County draft board, L. M. Bristol, sociology professor of the University of Florida, and R. H. Cox, personnel director of the State prison.

All selections of men for service will be made with approval of the parole commission. When men are returned to civilian life, they again will come under supervision of the parole board.

"The commission plans to proceed just as carefully in recommending men for military service as it has in choosing regular parolees," Chairman Bridges said.

"We do not intend to recommend anyone we do not think would otherwise be a fit subject for parole release."

"The selections will not be wholesale, for then the purpose of both the military and this commission would be knocked sky high, but it is our plan to make them carefully and on strict individual basis."

Prisoners who are confined at road camps also may be made subject to the draft, he said. Those selected by the commission would be transferred to the prison at Raiford where their cases would be handled by the special draft board.

Men convicted for a second felony offense, murder, arson, kidnaping and sex crimes could not be drafted without a waiver from the commanding general of the corps area.

Men once dishonorably discharged from the army must have a waiver from the U. S. Adjutant General.

Since the war started, Bridges said, about 150 Florida convicts have entered military service after being released on parole or probation.

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PENSACOLA, FLORIDA

URGES FULL PLANTING OF TOBACCO IN MAY

Florida and Georgia tobacco growers are urged to plant every acre allowed this year by B. B. Saunders, Valdosta warehouseman, who declared that he speaks for warehousemen in the growing areas of both States.

Saunders says he believes that an ample supply of plants can be secured now through warehousemen in every locality.

Saunders says that under ordinary conditions late tobacco—that transplanted in May—is not supposed to make a good grade of tobacco. He believes, however, that this year it will be the reverse, because of the fact that the Easter season this year was an average of three weeks late. In those years where the Easter season was late good grades and yields have been recorded, and this year Easter was later than any of the previous years cited.

Saunders also believes that in 1943 tobacco prices are going to average higher than in any previous year in the history of the industry, therefore he is urging a full planting.

It is believed that in the Georgia and Florida tobacco areas there will be late tobacco beds providing plants for every acre that is allowed growers, and the prospects of good prices should spur growers to exert every effort to get plants and set them out in the next ten days.

It has been assured that there will be no change in the auction system and that there will be no ceiling price on tobacco. It appears to be reasonably certain, also, that much weed will be needed this year for the lend-lease demand, this making a combination altogether worth striving for by growers throughout the whole tobacco belt.

FOURTH ESTATE

(Continued from page 10)

Appointment of H. Barnes Overstreet as tax collector in Dade County won 100 percent approval of Miami newspapers. Says the Miami News:

"Appointment (of Overstreet) is a fine stroke on the part of Governor Holland. * * * It was up to the governor to appoint a man of far better than average stature in order to restore the office to its proper place in the confidence of the people."

"Overstreet meets the requirement with something to spare. * * * He will bring to the office of tax collector the intelligence and the unimpeachable ethical standards which at the moment are so badly needed."

Says the Miami Herald: "The appointment (of Overstreet) is satisfactory. Mr. Overstreet is familiar with government processes. He served three years in the legislature with credit to himself and Dade County. He has been a resident of Miami for 37 years and enjoys universal respect. He should acquit himself as county tax collector capably and efficiently."

FLORIDIANS OUT FOR VICTORY

(Continued from page 19)

At the Flexible Gunnery School at Panama City there is a device which can give students "flights" lasting for three hours seven miles

above the earth. All of the conditions of real flight are simulated but those who develop "bends" can be removed from the pressure chamber. At 30,000 feet crystals pop off watches and fountain pens run over.

* * *

William Riley, 84, veteran of Indian wars, recently visited Daytona Beach and complimented WAACS in training there.

* * *

"Outstanding aerial achievements" in the Middle East theatre of operations won a Silver Star for Tech. Sgt. Clinton P. Merrill, West Palm Beach, and the Air Medal for Lieut. Robert V. Abram, St. Petersburg. Merrill brought down an enemy plane which was attacking another plane in the American formation over Nacarino Bay.

* * *

Lt. Comdr. Charles C. Kirkpatrick, Cocoa, recently received a third Navy Cross. His second gold star, representing the third Navy Cross, was given for action off Wake Island shortly before last Christmas. The Floridian is commander of a submarine and he "got" a freighter-tanker and two medium cargo vessels, total 17,340 tons, damaged and probably sank another cargo ship and a larger tanker. Comdr. Kirkpatrick also holds the Army's DSC for a special job done for Gen. Douglas MacArthur.

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ORLANDO FLORIDA

Florida women went into the National lead again in the collection of fats for war when it salvaged 78,891 pounds, or 105.2 percent of its March quota.

* * *

Tech. Sgt. Harvey J. Belser, Bonifay, is a charter member of the "Point Snorkers" new informal society of the U. S. Army air-

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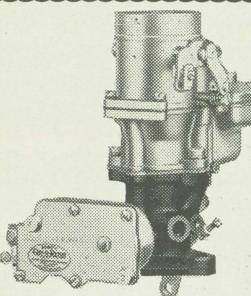
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men in North Africa limited to men whose mustaches are clearly visible at 100 feet.

* * *

Indian River County's public school system accounted for \$250,000 worth of war bonds in the recent drive. Joe S. Earman is regional administrator.

* * *

Among Floridian officers of the "Bully Beef Express," somewhere in New Guinea, with new medals are: 1st. Lieut. Albert H. Burr, Coral Gables, DFC and Air Medal; 1st Lieut. James H. Martin, Jr., Clearwater, DFC and Silver Star; 1st. Lieut. Talmadge E. Walker, Orlando, DFC, Sergt. Robert M. Horn, Sarasota, DFC.

* * *

2d Lieut. Ragnar C. Lind, who recently registered at Drew Field for assignment in the aircraft warning training units, turns out to be Jeffrey Lynn of the movies when asked his civilian occupation. He served more than a year as an enlisted man before winning his commission.

* * *

It turns out that nine navigators in Maj. Gen. James Doolittle's air raid on Tokyo were trained at the Pan American Airways-University of Miami school in Miami. Six of them received the DFC for their part in the raid.

* * *

MacDill Field (Tampa) quartermasters recently appealed to Tampa housewives for the loan of 50 flatirons when it was learned that that item was omitted from equipment for 250 WAACS assigned to duty there.

FLORIDA FANTASIA

(Continued from page 21)

James G. Sharon, Sr., who began the study of law in Quincy while working in a clothing store, recently became city judge of Sanford. He is a veteran of the Spanish War and once served in the State legislature.

* * *

Gracilaria, related to gelidum, the seaweed which produces agar, has been found in abundance off the west coast of Florida and may be used to fill in a shortage of this substance used in the production of war goods. The WPB froze the entire stock of this material last year and forbade the use of it in commercial products. Most of the supply to date has been taken from Pimlico Sound (Maryland).

* * *

Korona, Polish settlement near Bunnell, is going in for poultry production. Coquina shell, which contains 97 percent calcium carbonate, essential to the production of eggs, is plentiful in Flagler County. A mill near Flagler Beach ships great quantities of the ground shell to poultry producing centers throughout the country, some of it going as far away as Minnesota.

* * *

Florida furniture dealers moved their convention spot from Jacksonville to Orlando to save tires and gasoline. Chief topic was the shortage of material for furniture, many of the woods used having been commandeered for war work.

CAPITAL CHATTER

(Continued from page 17)

Former U. S. Senator W. L. Hill, now head of the department of outdoor advertising of the State Road Department, has been appointed north Florida officer to hear Selective Service registration objections. He will receive one dollar per year.

* * *

Reflecting the higher cost of living, Dr. J. H. Terrell, superintendent of the State hospital for the insane recently presented the State cabinet with the following list of percentage increases in prices: Fresh beef, 80; bacon, 55; pie cherries, 141; oleomargarine, 123; evaporated peaches, 222; prunes, 119; raisins, 105; canned lima beans, 9; macaroni and spaghetti, 57; rice, 50; gingham, 26; sheeting, 72; men's extra heavy shoes, 38; women's oxfords, 2; fuel oil, 47; coal, 11, and soap chips, 64.

* * *

Legislators are asking if the bill proposed to make it easier for hotels and restaurants to get rid of noisy and rowdy guests was prompted by any recent events. The bill would make it a misdemeanor for any

guest to remain after receiving oral or written notice to vacate.

* * *

Appointments by Governor Holland of W. J. Davis, harbormaster and H. F. Sahlman and N. J. Wooten, pilot commission-

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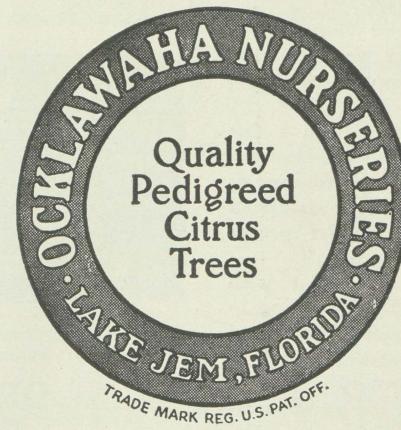
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Mount Dora, Fla.

FLORIDA HIGHWAYS

ers at Fernandina have been confirmed by the senate.

* * *

Willingness of everyone to do their part in helping to win this war, won much praise from Commissioner Mayo in Tallahassee, who could not say enough for the volunteers who are helping the farmers plant and harvest their crops.

"With thousands of volunteer workers helping the farmers harvest their crops," stated Commissioner Mayo, "it is hoped that much benefit to the State will be derived from their work."

The anxiety of these volunteer workers, along with their lack of knowledge of safety on the farm might cause many of them to have accidents. Commissioner Mayo cautions that everyone take unusual care not to get hurt so that nothing will impair their health.

If farm accidents should occur, he urges immediate first-aid, as open cuts or wounds on hands, feet or elsewhere unless promptly treated, are very dangerous.

WITH COUNTY COMMISSIONERS

(Continued from page 23)

Martin County commissioners have denied any liability for crops planted under the direction of the county agent in a recent decision. It did not place the blame for a potato crop failure after hearing the complainant and the county agent.

* * *

Dade commissioners are considering changing the name of the road south to the Monroe County line to Pan-American Overseas Highway. It has been known as Homestead Road and Dixie Highway.

* * *

The Jacksonville Board of Realtors has requested a county planning body for Duval County. The Duval board has assured cooperation if the proper legislative measures are passed.

* * *

Harry Harris, Tavernier, recently honorably discharged from the Army, has taken his place as a member of the Monroe County board.

* * *

C. B. Smith, Hollywood commissioner on the Dade County board, has started a movement looking to the formation of a bridge district to provide a span across the inter-coastal canal to Hollywood Beach. County Engineer Davis and County Attorney John Morris are investigating the possibilities.

* * *

Monroe County commissioners recently cancelled a \$90 grocery order given a man asking assistance when they learned that the man tried to get a dollar in cash from the grocer. The grocer refused and reported the matter to the board. Now the man will have to shift for himself.

* * *

County Engineer W. A. McMullen, Pinellas County, is investigating the possibility of using Murphy Act land in the county as sites for future State parks.

* * *

Patients in the Orange County tuberculosis association home are being fed and cared for for less than \$1.25 each per day,

according to a recent report by Miss Madge Bartlett, secretary, to the Orange County commission.

* * *

Orange trees are being used by the Marion County commissioners in beautifying the courthouse grounds in Ocala. Azaleas also are being employed.

* * *

Monroe County commissioners recently denied a woman permission to carry a revolver. She was told she could carry a gun, providing it was not concealed, without a permit.

* * *

Marion County commissioners have protested abandonment of the Jacksonville, Gainesville & Gulf railroad on the grounds that its operation is essential to the operation of mining, farming and lumbering interests of the county. The protest was forwarded to the Florida Railroad Commission.

* * *

Hendry County commissioners have gone on record as opposed to the county-wide vote on commissioners.

* * *

Taylor County has contracted with Columbia County for the lease of convicts.

THE STORY OF NAVAL STORES

(Continued from page 15)

tor to tell him that the juice of a purple-

vined collard cures yellow jaundice, or that nine knots tied in a cotton string soaked in

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turpentine and worn about the waist averts chills and fevers.

He can plunk almost any stringed instrument and produce lively, toe-tickling harmonies from a battered mouth organ. Dancing comes as naturally to him as singing. He often makes up lyrics to fit currently popular songs and no matter how many extra words are interpolated, usually finds room for them without impairing the melody. Though he knows most of the traditional spirituals, women provide the subject for the majority of his vocal refrains and work blues run a close second. His songs, pitched to carry long distances through the woods, usually begin as solos and workers within hearing soon join in the choruses.

In his leisure hours he patronizes a nearby "jook," a name said to have been coined by negro turpentine workers, that features a mechanical nickel-in-the-slot phonograph and provides all the facilities of a night club, dance hall, and gambling establishment. Gambling is a passion with the majority of the turpentine workers and unless too much disturbance ensues is seldom interfered with. To help him win he carries a "Jo Mow" in his right hand pocket and rubs it at intervals while rolling the bones or sitting in on a game of blackjack or skin.

A Jo Mow is "sumpun or other" fixed up in a bag. Good ones come from Louisiana and cost from two to one hundred dollars but he can make a passable substitute by wrapping three eightpenny nails in a new paper sack, or by sewing up a corncob in a piece of red flannel. Possessing none, he can sometimes "kill" the power of a Jo Mow by throwing salt on a player having one or by carrying a live toad in his pocket.

* * *

SUPERVISION

Boss man's a-ridin' by,
Boss man's a-ridin' by,
Boss man's a-ridin' by,
Look out, boy, look out!

—Old Turpentiner's Song.

The workers' Nemesis is the woods rider, invariably addressed as "boss man" or "cap'm," who knows his negroes, their moods and "miseries," their subterfuges and superstitions. His job is to keep the gum coming and keep his crew happy and contented in the process. He must see to it they do not jump camp either because they are in the red on commissary books or because a more likely job beckons elsewhere, though some are not above luring a good worker from a neighboring farm when the opportunity arises. The custom of "crimping" help no longer prevails but occasionally when there is an empty cabin to fill he'll cruise about in a car with a couple of good-looking negro women who are adept in "honeymed approaches."

He gets his crew on the job at 6 in the morning and sees to it that each man picks up where knocks off at 5:30 the afternoon

before. It is his business to keep tally on piece work, make sure the tools are kept sharp, that the cups are set right and thoroughly cleaned in the dipping, that dip and scrape barrels are properly distributed and regularly collected. He can ride a drift and tell at a glance if every face on every tree has been freshly chipped. He does not put two men chipping together for teamwork makes it difficult to keep tally on individual work.

When a tree is worked wrong, the woods rider "flags" it by cutting a weed or branch and fastening it on the tree, a signal to the chipper that it must be corrected. If no one claims responsibility, as like as not the boss man philosophically agrees that the tree must have got that way by itself and assigns someone to remedy the error.

He does not waste time arguing—abuse and ill-feeling interfere with production. He must have the knack of handling labor and adjusting the man to the job. If the worker cannot get along with him or his fellow workers he is told by the rider to move along. Among hands there is a certain prestige attached to working for an old-established operator, and it is the boast of the management that any good worker leaving for another camp is almost certain to return in a few weeks.

While the woods rider is addressed as boss man, workers usually refer to him among themselves as "The Man;" and he'd better be a man from the ground up. If he swallows back talk or shows a streak of yellow, he may as well quit his job. He loses the respect of his men and they will delight in ganging up on him to make his life miserable.

The white woods rider seldom interferes in family quarrels but on pay nights he does not hesitate to shoulder his way into a roaring, drunken brawl and restore order before too much blood has been spilled—sometimes with a gun, usually with his fists. Liquor is never sold at commissaries

and bootlegging in camp is prohibited, but enough usually "circulates" to keep workers supplied.

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It is to the advantage of good camp government and economy in housing to employ family men. In early days there were few "cotehouse" marriages and it was the business of the foreman to see that all unattached men and women were "married." This was often accomplished by what workers called a "a commissary weddin'." The old-time boss man was usually a good matchmaker and when it was decided between him and a couple that they should "marry up with each other," the pair simply went to the commissary, were assigned a cabin, had rations and clothing issued to them and began housekeeping.

This arrangement led to trouble and expense for one south Florida operator, so the story goes, who had about 50 couples living together in his camp without benefit of clergy, some of them with large families. When a preacher from the North learned of the situation he complained to the county officials who ordered the couples legally married. As a result the operator was compelled to pay for 50 licenses and hold a mass wedding in the camp church. To the participants it meant nothing but an unexpected holiday and a gala celebration.

* * *

Editor's note—This is the first of two sections of The Story of Naval Stores. The second will appear in the next issue.

ROAD DEPARTMENT MINUTES

(Continued from page 3)

HILLSBOROUGH COUNTY

A resolution from the County Commissioners under date of April 9 requested maintenance of the road through Port Tampa. The Board expressed its regret that due to present conditions the Department is unable to grant this request.

Road 79 in Hillsborough County

The Secretary presented resolutions of the Boards of County Commissioners of Hillsborough and Polk Counties, setting out the need for State maintenance of Road 79, the Swearingen Highway, in Hillsborough County.

On motion of Mr. Townsend, seconded by Mr. Ward, it was agreed that the section of Road 79 in Hillsborough County be taken over for maintenance by the State, provided the County secures the right of way necessary for said road.

LAKE COUNTY

Senator J. Edwin Baker of Lake County appeared before the Board and urged the construction of State Roads 261 and 261-A as soon as it was possible for the Department to undertake the work. The matter was fully discussed, whereupon the following resolution, offered by Mr. Ward and seconded by Mr. Lindsey, was unanimously adopted:

WHEREAS, the construction of State Roads 261 and 261-A should be undertaken by the State Road Department as soon as Federal restrictions upon the use of critical materials, manpower and equipment necessary to such construction are removed, since such roads will be important links in the State Road System, and will be of material benefit to the State,

NOW, THEREFORE, BE IT RESOLVED by the State Road Department, that construction of State Roads 261 and 261-A shall be undertaken by the State Road Department as soon as Federal restrictions on critical materials, manpower and equipment necessary for such construction are removed, said road being recognized by the State Road Department as important roads, the construction of which will be of material benefit to the State.

BE IT FURTHER RESOLVED that the

Secretary transmit certified copies of this resolution to the Boards of County Commissioners of Lake and Marion Counties and to the Board of Bond Trustees of Putnam County.

NASSAU COUNTY

Closing of Road to Fernandina Airport

The Secretary presented a letter from Senator A. G. McArthur transmitting the requests of the City of Fernandina and the Board of County Commissioners of Nassau County for the closing of a section of Road 45-3 in Nassau County.

On motion of Mr. Stockton, seconded by Mr. Ward, the following resolution was adopted:

WHEREAS, the City of Fernandina and the Board of County Commissioners of Nassau County have requested the State Road Department to close that part of Road 45-3 which extends through the proposed CAA Airport near Fernandina, soon to be constructed at an estimated cost of \$900,000.00, and that the State Road Department assist in the construction of an alternate road to take the place of that part of Road 45-3 required to be closed,

NOW, THEREFORE, BE IT RESOLVED by the State Road Department that it will assist the City of Fernandina and Nassau County in every way possible to secure Federal appropriations from one of the Federal agencies to construct said road to serve as an alternate or by-pass road for the present road extending through the proposed CAA Airport, pro-

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vided that if the Department is unable to secure such appropriation, it will use Nassau County's 80% surplus funds and preferential second gas tax funds for the construction of such alternate road, and that as to such preferential second gas tax funds, that the Senator representing Nassau County be advised that it is necessary to enact legislation at the 1943 Session of the Legislature to make such preferential second gas tax funds available for such construction; and provided, that in case such construction is undertaken by the State Road Department, it will be necessary that the War Production Board approve priorities for critical materials and grant permission to construct this road under its most recent ruling, L-41 Revised, and that the City of Fernandina and County of Nassau and other interested officials be advised of the necessity of their seeking such approval and permission; and provided, that before the Department shall undertake such road construction a contract for the construction of said CAA Airport must be awarded in order to assure that the Government will proceed in good faith to construct said airport; and provided, that the closure of said existing road through said proposed CAA Airport shall not become effective until such suitable by-pass or alternate road is constructed and such closure is ratified and confirmed by the State Defense Council of Florida.

BE IT FURTHER RESOLVED that certified copies of this resolution be furnished to the City of Fernandina and the Board of County Commissioners of Nassau County, Florida.

PALM BEACH COUNTY Belle Glade-Pahokee Road

Mr. A. A. Poston, Chairman of the Board of County Commissioners of Palm Beach County appeared and requested that something be done to the Belle Glade-Pahokee Road. He stated that Hon. Pat Cannon, Member of Congress, has promised to get all the aid possible out of Washington for this road. He further stated that the road is in very bad condition, and that it should be relocated, but that the present location could serve temporarily if it could be reworked. Mr. Poston asked the Department to petition Mr. Cannon for his assistance in doing all possible for this road, requesting material and labor for maintaining present road while plans are under way for the construction of a new road on another location.

Maintenance of Bridge

A resolution of the County Commissioners dated April 12 asked the Department to take over for maintenance the Delray Beach Bridge and the two Boca Raton bridges across the Inland Navigation District Canal.

The Board expressed its regret at being unable to comply with this request but felt it necessary to abide by its policy of making no additions to its maintenance system at the present time except in cases of extreme urgency.

ST. JOHNS COUNTY

A delegation from St. Johns County included Senator Frank Upchurch, Representatives Charles Usina and Jack Turner, County Commissioner Harry Jackson, Mayor O. D. Wolfe, Aubrey R. Sessions, Frank Harold, R. O. Miller, A. H. Tebault, and B. F. Baya, and their appearance was in the interest of the Bridge of Lions.

Mayor Wolfe presented their request that the Department take the bridge over at its cost of \$911,000, stating that since other bridges had been taken over the citizens of St. Johns County and the City of St. Augustine felt entitled to have their burden of debt on this bridge removed from the City. He said the City of St. Augustine is not in position to pay the difference between the payments of the State Road Department under the

present lease agreements and the payments necessary to retire the bonded indebtedness of the bridge. He asked that the Department enter into agreement to assume obligation for the interest and the principal of the debt and said that a payment of \$52,683.22 a year for thirty years would liquidate the entire debt. These statements and requests were concurred in by Representative Turner, Mr. Harold and Mr. Jackson. Mr. Turner also made suggestion that in some way the Board of Administration might be able to refund the bonds at a lower rate of interest, a suggestion endorsed by Mr. Wolfe.

CONSERVATION OF FOOD AT CONVICT CAMPS

When discussing the importance of food conservation at convict camps, the Board called Mr. Henry Coulter, who recommended the use of pressure cookers, at a cost of \$59.00 each, with a capacity of 300 3-quart tins. He also outlined a plan for putting hogs at the camps, for production of fresh and cured meat, and lard. It was agreed to investigate the matter and the advisability of using convicts for this purpose during the present emergency, and to ascertain the estimated cost of raising this food.

There being no further business at this time, the meeting was adjourned.

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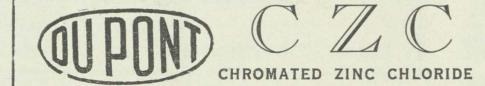
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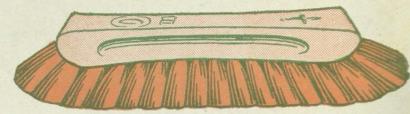
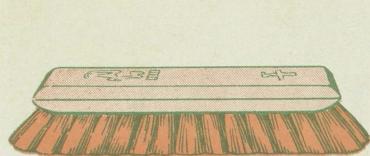
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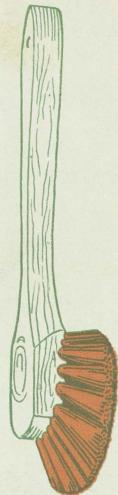
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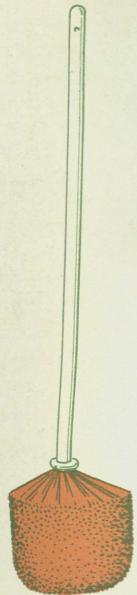
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